Testimony Presented Before the
House Committee on Agriculture
Wednesday, March 21, 2012 at 9:00 am
By
Virginia Hinshaw, Chancellor
And
Vassilis Syrmos

Associate Vice Chancellor for Research & Graduate Education
University of Hawai'i at Mānoa

HCR 104 Urging the University of Hawai'i to Designate the Magoon Research Facility Site for the University of Hawai'i at Mānoa College for Tropical Agriculture and Human Resources

Chair Tsuji, Vice Chair Hashem and Members of the Committee: My name is Vassilis Syrmos and I am the Associate Vice Chancellor for Research & Graduate Education at the University of Hawai'i at Mānoa. Thank you for the opportunity to provide written testimony in strong support of each and every point of this resolution, however, I have strong reservations in the technicality of the language.

The College of Tropical Agriculture and Human Resources (CTAHR), along with the College of Engineering, are the founding colleges of the University of Hawai'i at Mānoa; a land grant institution. CTAHR has provided meaningful contributions to the state in education, training, research, extension programs and workforce development for over 100 years.

The Magoon Research Facility, like many other CTAHR facilities across the state, has served this core mission of the college for many decades. As such the University of Hawai'i at Mānoa would neither displace nor close any such facility, including the Magoon site, without ensuring that the facility is relocated by providing at least the same level, preferably better, of teaching, research, extension, and outreach experiences to the students, faculty and the community at large. The creation and success of such facilities in the University of Hawai'i at Mānoa only occurs after extensive consultation with faculty, students, and the community. Success of such programs comes through the strength and participation of our faculty and students. Therefore, any major changes to University facilities cannot be achieved without their concurrence and participation.

Finally, although we are in strong support of the points of the resolution, the specific language preclude the University of Hawai'i at Mānoa to manage its assets in an autonomous and efficient manner by earmarking facilities and sites for specific disciplines on campus. We recommend that the resolution is amended to reflect the strong support for CTAHR and Magoon Research Facility Site without restricting the University's asset management ability.

Thank you.



Orchid Growers Of Hawaii

P.O. Box 4153 Hilo Hawaii 96720

Email: info@ogoh.org

Website: www.ogoh.org

Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business

House Committee on Economic Revitalization & Busines
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by

Thong-Teng Neo

President of Orchid Growers Of Hawaii (OGOH)

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Thong-Teng Neo, President of Orchid Growers of Hawaii, a Statewide Orchid Association, representing Hawaii's Orchid industry.

Magoon Facility is the site of research that directly supports Hawaii's our agriculture industry especially our floriculture industry. Our floriculture industry as a whole, second largest diversified agriculture crop in Hawaii, contributes at least \$70 million per year. Throughout the years OGOH has partnered with researchers at Magoon Facility in many programs from plant pathology to insect entomology and especially UH CTAHR unique Dendrobium breeding program. This partnership that has led to increased revenues and productivity to compete in the global market. For instance, UH CTHAR breeding program has enable our orchid industry to stay ahead of our global competitors not only with new cultivars of cut flower and potted plants, but also with better yielding plants and possible disease and virus resistant plants in the future.

UH CTAHR Magoon Facility is also one of the few places that students can get the training to go into this important business, with its large economic implications for the state. It is also the only facility where students' training in such horticulturally essential topics can be integrated with the full range of laboratories, classrooms, and facilities that the UH-Manoa campus has to offer. We hope in terms of its larger self interest that the state comes to an understanding of the importance of investing in the next generation of agricultural researchers and farmers.

For all these reasons OGOH strongly encourage our legislators to SUPPORT HCR 104 and designate Magoon to CTAHR.

Thong-Teng No

President

Yours sin

Orchid Growers Of Hawdii (OGOH)

Testimony in support of HCR104 Gregg Kaneko Mid-Pacific Institute High School Science Teacher

I support HCR104 for 2 main reasons.

1. As a resident of Hawaii I am deeply concerned with issues surrounding food sustainability, preservation of native plants, and economic vigor here in this State. The research occurring at Magoon Research Station is of critical importance to address these issues, that in my opinion, will only get worse unless we (residents of Hawaii) make an active effort to solve them. I would urge the University's administration to seek alternate locations for faculty housing.

Another critical importance of the research at Magoon Research Station is that it directly addresses objectives defined in the Hawaii 2050 Sustainability Task Force. The task force was enacted by Hawaii Legislatures, supporting one is supporting both.

2. As a teacher at Mid-Pacific Institute the findings and research from the Magoon Research Station has been an essential part of my curriculum. My classes are much more engaging and rich with the knowledge from the professors utilizing the Magoon Research Station. Not only is the information unique, its local, making for a more meaningful lesson.

I urge the University of Hawaii to seek alternate locations for faculty housing as the Magoon Research Station serves a critical importance to Hawaii and its residents.

Gregg Kaneko



Testimony for the Twenty Sixth Legislature, 2012
State of Hawaii
House Committee on Agriculture
Rep. Clift Tsuji, Chair and Rep. Mark J Hashem, Vice Chair
Wednesday, March 21, 2012
9:00 AM Room 312
Regarding a Resolution

HCR104 urging the UH Administration to keep the Magoon Teaching and Research Facility within CTAHR and not be used for New Faculty Housing.

Supporting HCR 104 Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Harold T. Tanouye and I am the President of Green Point Nurseries, Inc. on the Big Island. My family is in our second generation of agribusiness, a business that produces Hawaii's cut flowers and foliage and tropical blooming plants. Our products are distributed and exported locally, nationally, and internationally. Green Point Nurseries is a charter member of the State of Hawaii's Department of Agriculture, Seal of Quality program.

Throughout the years, my company has cooperated with CTAHR to test and develop new anthurium varieties that enable our local growers to remain competitive in the global market. Development of new anthurium varieties often takes 8-14 years before the variety is released for commercial use. I am grateful for the assistance of CTAHR scholars working at the Magoon facility and look forward to collaborating with them for many years to come.

As a businessperson, I am also aware of how difficult it is becoming to find qualified workers in the horticulture industry. The Magoon Facility is one of the few places where students can get the training to go into this important business. It is also the only facility where students' training in essential topics such as fertilizers, plant propagation, weed control, and plant disease management can be integrated with the full range of laboratories, classrooms, and facilities that the UH-Mänoa campus has to offer. I hope that the State of Hawaii comes to an understanding of the importance of investing in the next generation of agricultural workers, as these workers contribute greatly to the growth of the agriculture sector, and ultimately the economy of Hawaii.

For all these reasons I strongly encourage our legislators to support HCR 104 and designate the Magoon Facility site to CTAHR.

Sincerely,

HARMULL

Harold Tanouye
President/Owner
Green Point Nurseries



Testimony for the Twenty Sixth Legislature, 2012
State of Hawaii
House Committee on Agriculture
Rep. Clift Tsuji, Chair and Rep. Mark J Hashem, Vice Chair
Wednesday, March 21, 2012
9:00 AM
Room 312

Regarding a Resolution

HCR104 urging the UH Administration to keep the Magoon Teaching and Research Facility within CTAHR and not be used for New Faculty Housing.

Supporting HCR 104 Relating to the Magoon Research and Teaching Facility

My name is Eric S. Tanouye and I am the President for the Hawaii Floriculture and Nursery Association. HFNA is a statewide umbrella organization with approximately 300 members. Our membership is made up with breeders, hybridizers, propagators, growers, shippers, wholesalers, retailers, educators, and the allied industry, which supports our efforts in agriculture.

We support HCR 104 and keeping the Magoon Teaching and Research Facility within CTAHR and NOT using it for New Faculty Housing. CTAHR has been instrumental in supporting Hawaii's Floriculture and Nursery Industry with new anthurium varieties. New varieties allow Hawaii growers to remain competitive in the global market. Development of Anthurium Varities is a lengthy process and takes approximately 8-14 years before a variety can be released commercially, so it is important to our industry that it continue. CTAHR also handles important Breeding and Research for orchids, protea, tropical flowers and cut foliages, blooming plants and foliage plants.

CTAHR and the Magoon Facility is also important for the training on essential topics of our industry such as fertilizers, plant propagation, weed control, etc. It is important that we continue to invest in the next generation of agriculture leaders, so that our industry can continue and help to contribute to the economy of Hawaii.

If you have any questions at this time, I would be happy to discuss them and can be reached by phone at 808-959-3535 ext 22, cell 960-1433 and email eric@greenpointnursery.com.

Supporting Agriculture and Hawaii,

Eric S. Tanouy

President

Hawaii Floriculture and Nursery Association



LANDSCAPE INDUSTRY COUNCIL OF HAWAI'I

March 19, 2012

TESTIMONY FOR HOUSE CONCURRENT RESOLUTION N.O. 104

COMMITTEE ON AGRICULTURE

Landscape Industry Council of Hawai'i supports House Concurrent Resolution 104 urging the University of Hawaii to designate the Magoon Research and Teaching Facility site for the University of Hawaii at Manoa College of Tropical Agriculture and Human Resources (CTAHR).

Hawaii's landscape industry is one of the fastest growing and largest segments of the green industry with an economic impact of over \$520 million annually and full time employment of over 11,000 local landscape professionals. The landscape industry for the most part is a service-based industry, so the money stays local and has a multiplier effect on our economy.

Hawaii is the only tropical state in the nation. Many of the horticultural challenges in Hawaii are unique to Hawaii. The landscape industry throughout the years has relied on agricultural researchers at the Magoon Research and Teaching Facility site to improve tropical horticultural practices.

For these reasons, we ask for your support of HCR 104 to designate Magoon Research and Teaching Facility site to CTAHR.

Thank you for the opportunity to testify.

Chris Dacus
President
Landscape Industry Council of Hawai'i
P. O. Box 22938, Honolulu, Hawai'i 96823-2938
Chris.dacus@gmail.com

Landscape Industry Council of Hawai'i

Celebrating 26 years, LICH was formed in June 1986, the Landscape Industry Council of Hawai'i is a state wide alliance representing Hawaii's landscape trade associations: Aloha Arborist Association, American Society of Landscape



Pioneer Hi-Bred International, Inc PO Box 520 Waialua, HI 96791

HCR 104, Relating to the Magoon Research and Teaching Facility
House Agriculture Committee & House Economic Revitalization & Business Com
March 21, 2012 at 9:00 a.m. House Conference Room 312

Position: Support designation of Magoon Research and Teaching Facility

Chairs Tsuji and McKelvey, Vice Chairs Hashem and Choy, and members of the joint committees

My name is Cindy Goldstein, business and community outreach manager for Pioneer Hi-Bred International, Inc. Pioneer employs a diverse work force, with a wide range of job skills, representing a broad spectrum of cultural backgrounds. We recognize the importance of a well trained agriculture work force and the significant role the University of Hawaii, College of Tropical Agriculture and Human Resources plays in training our future farmers and agriculture leaders.

The Magoon Research and Teaching Facility has been the site where students have learned research and production skills, and graduate students and faculty have conducted research that benefits many Hawaii farms and agriculture businesses. This facility has been a training site for many years for many students, providing today's agriculture businesses with technically skilled employees. This site is close to the Univ of Hawaii campus, making it ideal for graduate student and faculty research projects that provide significant benefits of applied research for Hawaii agriculture operations both small and large.

Pioneer supports a broad range of farming methods for Hawaii agriculture and diversified agriculture operations. The Magoon Research and Training Facility has allowed many students to gain an understanding of agriculture science and apply the findings of research to assist Hawaii's diversified farming operations.

Please adopt HCR 104 to help support the future of Hawaii agriculture for both small and large farms.

Thank you for the opportunity to provide testimony in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources.

Agricultural Community Supporter—Hawaii Organic Farmers Association

Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

by

Franz Weber, President of Hawaii Organic Farmers Association

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Franz Weber.

I am President of Hawaii Organic Farmers Association, and our organization represents over 200 organic farmers and processors in Hawaii.

I also am the Hawaii operations and sales manager of United Natural Foods Inc., the largest distributors of natural foods and organic products in Hawaii. My business directly brings approx. \$ 30,000,000 to the state economy.

The education of local agricultural producers, educators, inspectors and regulators requires hand-on, experiential practice at an agricultural site in addition to lecture halls and laboratories. Throughout the years our organic farmers association has partnered with researchers at Magoon Facility to improve the education and awareness of organic and sustainable practices, a partnership that has led to increased revenues and healthy locally produced food, providing essential food security.

For instance, we have been grateful for the assistance of CTAHR scholars including Drs Valenzuela, Radovich, Ward, Leary and DeFrank, working at the facility and look forward to collaborating with Magoon for many years to come. Magoon is one of the few places that students can get the training to go into this important business, with its large economic implications for the state. It is also the only facility where students' training in such horticultural essential topics as fertilizers, weed control, nematodes. I encourage the legislature to recognize the importance of investing in the next generation of agricultural workers.

For all these reasons I strongly encourage our legislators to support HCR 104 and assign Magoon to CTAHR.



March 19, 2012

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Phone: (808) 263-0081 Fax: (808) 263-0082 www.thepaf.org awong@thepaf.org To: House Committee on Agriculture

Rep. Clift Tsuji, Chair

Rep. Mark J. Hashem, Vice Chair

House Committee on Economic Revitalization & Business

Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair

Fr: Herb Lee, Jr., Executive Director Pacific American Foundation

Re: Support for HCR 104, Relating to the Magoon Research and Teaching Facility. Public hearing date: Wednesday, March 21, 2012

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Herb Lee, Jr. and I am an interested member of the community.

The Pacific American Foundation is a non-profit established in 1993 that serves native Hawaiians and Pacific Islanders in the area of education and career planning and development.

The Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates, graduate students, and K-12 students who will be the next generation of stewards, scholars, entrepreneurs, and a strong and diversified agricultural work force for the State. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience. Further, the staff of CTAHR has been strategic and resourceful partners in providing students in K-12 schools with exposure to these important career choices.

Please support HCR 104 and designate Magoon to CTAHR. It will go a long way in continuing to provide these needed opportunities in the 21st century.



Home of "Tropic Fire" Anthuriums . Hawaii's Best Anthuriums and Tropical Flowers

16-685 Milo Street • Keaau, Hawaii 96749 • Telephone (808) 966-7427 • Fax (808) 966-7684 • www.pacflor.com

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and
House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012
By Grayson Inouye, President – Pacific Floral Exchange

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Dear Chairman Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Grayson Inouye. I am an interested member of the community.

I am the owner of Pacific Floral Exchange, one of the state's producers of anthuriums and other cut flowers. My business has been in operation since 1989 and directly brings more than \$4 million dollars to the state economy; the Hawaii floriculture and nursery industry as a whole has contributed an estimated \$75.6 million dollars in 2010 alone. We employ more than 40 employees directly and support over 80 independent produces. Throughout the years, my company has cooperated with CTAHR to test and develop new anthurium varieties that enable our local growers to remain competitive in the global market. Development of new anthurium varieties often takes 8-14 years before the variety is released for commercial use. I grow several CTAHR anthurium varieties and export many orchids that have been developed by CTAHR. I am grateful for the assistance of CTAHR scholars working at the Magoon facility and look forward to collaborating with them for many years to come.

As a businessperson, I am also aware of how difficult it is becoming to find qualified workers in the horticulture industry. The Magoon Facility is one of the few places where students can get the training to go into this important business. It is also the only facility where students' training in essential topics such as fertilizers, plant propagation, weed control, and plant disease management can be integrated with the full range of laboratories, classrooms, and facilities that the UH-Manoa campus has to offer. I hope that the State of Hawaii comes to an understanding of the importance of investing in the next generation of agricultural workers, as these workers contribute greatly to the growth of the agriculture sector, and ultimately the economy of Hawaii.

For all these reasons I strongly encourage our legislators to support HCR 104 and designate the Magoon Facility site to CTATIR.)

Sincerely,

Grangement - Pacific Floral Exchange

From the Mountains to the Sea, Keeping Our Country Country

God's Country Waimanalo Youth Program encourages our children to keep up with the new, but respect, learn, and remember where they came from. Our program is rooted in cultural preservation, community partnerships, and connects the Hawaiian culture to other aspects of health and wellness.

Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

by

Heidi Ilima Ho-Lastimosa Director of Operations God's Country Waimanalo

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Heidi Ilima Ho-Lastimosa and I am the Director of God's Country Waimanalo a private non-profit organization working towards empowering native Hawaiian families into becoming more self-reliant by producing their own food.





Since 2009 our families have been working with the College of Tropical Agriculture and Human Resources (CTAHR) Aquaculture/Aquaponic research and extension program in establishing aquaponic systems on Hawaiian Homesteads in Waimanalo and providing the hands on training necessary for the production of both fish and vegetable crops. From our humble beginnings of four homesteads, in 2009, being equipped and operating we are now working collaboratively on a project that should result in an additional 40 families being able to produce a substantial amount of their own produce. The Magoon Facility is the site of research and extension activities that directly supports Hawai'i's agricultural stakeholders and will house the new Hale Tuahine (Tuahine is the name of a misty rain famous in Manoa) aquaculture/aquaponics research and extension facility. It was very disappointing to hear that there are plans to place faculty housing on this very site and there are surely alternative locations that can be considered as this would greatly impact the capacity of CTAHR in providing the kinds of services that they have been, not just for our working group but for other agricultural stakeholders as well. Included with this testimony is a petition with 25 signatures by Hawaiian Homesteaders in Waimanalo that oppose the use of this land for faculty housing.

From the Mountains to the Sea, Keeping Our Country Country

God's Country Waimanalo Youth Program encourages our children to keep up with the new, but respect, learn, and remember where they came from. Our program is rooted in cultural preservation, community partnerships, and connects the Hawaiian culture to other aspects of health and wellness.

As a Native Hawaiian, I oppose the building of UH faculty housing in the Manoa area, which will take away our land for the University's purposes. Keep it Hawaiian! Malama 'Aina!

Mahalo!,

From the Mountains to the Sea, Keeping Our Country Country

God's Country Waimanalo Youth Program encourages our children to keep up with the new, but respect, learn, and remember where they came from. Our program is rooted in cultural preservation, community partnerships, and connects the Hawaiian culture to other aspects of health and wellness.

Slova & Needs 41-198 Huli St Waiman anglo, Hr 96795 808+2598746

Mahalo! Jale O'Moana Mea lle Menne Stotlellor 41517 Jan St. Warmanalo Hawaii, 96795

From the Mountains to the Sea, Keeping Our Country Country

God's Country Waimanalo Youth Program encourages our children to keep up with the new, but respect, learn, and remember where they came from. Our program is rooted in cultural preservation, community partnerships, and connects the Hawaiian culture to other aspects of health and wellness.

Mahalo!

hia alba

41-709 Fakainast.

(60x) 252-1133

Mahalo! Oikan 41-709 Kakaina 57 Oly de Oikan Waimannie, HF 96795

Mahalo!

Nelliam & din - 8083429621

hashem3 - Casey

From: Sent: mailinglist@capitol.hawaii.gov Monday, March 19, 2012 10:47 AM

To:

AGRtestimony

Cc:

gordines@kauaiflowers.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: John R. Gordines

Organization:

E-mail: gordines@kauaiflowers.com

Submitted on: 3/19/2012

Comments:

Community Supporter-Horticulture Industry

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by John R. Gordines

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is John R. Gordines. I am an interested member of the community and a leader in the statewide ornamental and nursery organizations.

I am a President of Hawaii Tropical Flowers and Foliage Association - Kauai and one of the state's producers of Hawaiian tropicals flowers and foliage wholesale and retail/export business. Our Kauai tropical flowers and foliage association members directly brings \$4 million from Kauai to the state economy, while the horticulture industry as a whole contributes at least \$80 million per year. Throughout the years HTFFA-Kauai has partnered with researchers at Magoon Facility to improve the quality and uniqueness and of our hybrid ornamental and nursery varieties, a partnership that has led to increased revenues and a much enhanced product. For instance, anthuriums, orchids and heliconia that have undergone advanced testing to insure local and export quality. I have been grateful for the assistance of CTAHR scholars working at the facility and look forward to collaborating with Magoon for many years to come and together working to further bring Hawaii ornamental commodities to the next level and set apart as a leader in industry.

As a businessperson, I am also aware of how difficult it is becoming to find qualified workers in the horticulture industry. Magoon is one of the few places that students can get the training to go into this important business, with its large economic implications for the state. It is also the only facility where students' training in such horticulturally essential topics as fertilizers, weed control, nematodes, and hybridized specimens unique

hashem3 - Casey

From: Sent:

mailinglist@capitol.hawaii.gov Monday, March 19, 2012 1:01 PM

To:

AGRtestimony

Cc:

gottlieb@hawaii.rr.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Alan Gottlieb

Organization: Hawaii Cattlemen's Council

E-mail: gottlieb@hawaii.rr.com

Submitted on: 3/19/2012

Comments:

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by

Jason Brand Kunia Country Farms, LLC

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to provide written testimony in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Jason Brand. I am an interested member of the community and a farmer beneficiary of the research provided by CTAHR.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of stewards, scholars, business people, and a strong and diversified agricultural work force for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Monday, March 19, 2012 11:09 AM

To:

AGRtestimony

Cc:

jwayman@hicoffeeco.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support
Testifier will be present: No

Submitted by: Jim Wayman

Organization: Hawaii Coffee Association

E-mail: jwayman@hicoffeeco.com

Submitted on: 3/19/2012

Comments:

I STRONGLY SUPPORT HCR104 which requests that the UH administration DOES NOT convert CTAHR's Magoon Teaching and Research Facility into faculty housing. This is their closest greenhouse, shade house, open field and outdoor plant collection facility. The facility is a 10 minute walk for students and faculty to practice agricultural skills and do research, their next closest facility is a 40 minute drive to Waimanalo.

House of Reprenentatives Twenty-Sixth Legislature, 2012 State of Hawaii

March 19, 2012

RE: H.C.R. No. 104

Gentlepeople:

Our company is in the process of building a 3-acre aquaponics farm on fallow land and the only real support we have received has been from the College of Tropical Agriculture and Human Resources. Without their help we would have no hope whatsoever of success. Now we hear that the UH administration is considering transforming the Magoon Research facility into faculty housing. This would be a disaster for CTAHR as well as all the small farmers who rely upon them so heavily. We do not doubt that faculty need housing but surely other property can be found for this purpose.

We are at a critical stage in our project development and were scheduled for a systems test by CTAHR this Wednesday. But that was cancelled because the CTAHR personnel have had to cancel all appointments in order to try and save their facility. This is insane. Hawaii needs much more locally grown food - surely there can be no doubt of this. And that means we need more farms and farmers. And we farmers desperately need CTAHR. It's that simple. Please, for the sake of us all, support HCR 104 and keep CTAHR alive.

Sincerely,

John Dobovan VP and Secretary EDK LLC 41-540 Makakalo St. Waimanalo, HI 96795 808-955-0955 Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Jack Foster

Organization: Mid-Pacific Institute Aquaponics

E-mail: jackfoster1994@hotmail.com

Submitted on: 3/19/2012

Comments:

Dear Government,

The Magoon research facility is vital for the sustainability of Hawaii's agriculture future. Yet it is not only vital for the U.H students, it's vital for the high school students that want to major in the subject. As a student of MPI the aquaponics field is very interesting. The future of Hawaii's agriculture depends on aquaponics in my opinion. There is no other way the agriculture can run efficiently without aquaponics. And without the Magoon's facility the future of aquaponics will be ruined. This facility is the frontrunner for aquaponics not only in Hawaii, but also in the world. Without this facility MPI probably would not have an aquaponics class. And since we are the future, we deserve a say in the future we want to run.

Sincerely, Jack Foster



THE HOUSE OF REPRESENTATIVES THE TWENTY-SIXTH LEGISLATURE REGULAR SESSION OF 2012

COMMITTEE ON AGRICULTURE

Representative Clift Tsuji, Chair Representative Mark J. Hashem, Vice Chair

COMMITTEE ON ECONOMIC REVITALIZATION & BUSINESS

Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair

DATE:

Wednesday, March 21, 2012

TIME:

9:00 a.m.

PLACE:

Conference Room 312

State Capitol

415 South Beretania Street

RE: Testimony in strong support of HCR 104

URGING THE UNIVERSITY OF HAWAII TO DESIGNATE THE MAGOON RESEARCH AND TEACHING FACILITY SITE FOR THE UNIVERSITY OF HAWAII AT MANOA COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES.

Aloha Chairs Tsuji and McKelvey, Vice Chairs Hashem and Choy, and Committee Members:

The Hawaii Aquaculture and Aquaponics Association (HAAA), representing Hawaii's aquaculture and aquaponics industry statewide, testifies in <u>strong support of HCR 104</u>.

It appears that the University of Hawaii administration has lost sight of the fact that the University is a Land Grant institution whose founding purpose is to support agricultural research, education, and extension in Hawaii, and whose founding college was the College of Tropical Agriculture. The entire Magoon Research and Teaching Facility was purchased with Land Grant College funds. The 1967 UH Long Range Development Plan designates the Magoon Facility to the College of Tropical Agriculture and Human Resources (CTAHR) and is still the governing document for this site. The USDA Fruitfly Facility was leased from CTAHR.

Over \$4M has been spent to renovate the Magoon buildings and greenhouses in recent years. These facilities provide an effective and crucial on-campus research, training and teaching opportunities for students, faculty, and the community. CTAHR has operated these facilities for over 40 years. They are currently used by 24 CTAHR classes and research on plant propagation of Anthuriums and Dendrobiums, for turn grass management, integrated pest management, erosion control, domestic animal anatomy, organic farm training, and most recently for expanding aquaponics research and training for both commercial farmers and families wishing to supplement their income through backyard food production.

Community Supporter—Horticulture Industry

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

by
Bernardino G. Cagauan, Jr.
President, Tropical Orchid Growers Association of Hawaii

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Bernardino G. Cagauan, Jr.. I am an interested member of the community.

I am a commercial orchid grower located at 87-911 Apuupuu Road, Waianae, HI. I also represent fourteen other commercial orchid growers in Hawaii being the President of our association, the Tropical Orchid Growers Association of Hawaii. Throughout the last 30 years the members of our association (formerly the Dendrobium Orchid Growers Association of Hawaii) have relied on the Magoon Facility as a source of dendrobium orchid seed materials which are not available anywhere. As a matter of fact, it is from this facility that the dendrobium cutflower orchid industry was born through the research of Dr. H. Kamemoto (now retired) and his students on superior cutflower cultivars. This group also developed many outstanding dendrobium cultivars that have qualities which are now in great demand in many mainland and foreign markets. With the competition coming from Taiwan and Thailand which threatens the viability of the orchid industry, this research capability of this facility must be strongly maintained and even expanded. Hence, the availability of orchid seed materials must continue and the development of new and superior cultivars must be pursued.

Magoon is one of the few places that students can get the training to go into other important horticultural business which has large economic implications for the state. It is also the only facility where students' training in such horticulturally essential topics as fertilizers, weed control, nematodes, and biofuels, can be integrated with the full range of laboratories, classrooms, and facilities that the UH-Manoa campus has to offer. I hope that the state, with its larger self interest, comes to an understanding of the importance of investing in the next generation of agribusiness persons. For all these reasons I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.



HAWAII AGRICULTURE RESEARCH CENTER

Formerly Hawaiian Sugar Planters' Association

PO BOX 100, KUNIA, HAWAII 96759

TELEPHONE: (808) 621-1350 FAX: (808) 621-1359

http://www.harc-hspa.com

March 20, 2012

Dear Chairmen Tsuji and McKelvey and Committee members,

I am writing in support of HCR 104 to urge the University of Hawaii Administration to keep the Magoon Teaching and Research Facility within CTAHR and not be used for New Faculty Housing.

As a CTAHR alumni and natural resource management professional in Hawaii, retention of this facility for teaching, research, and demonstration is critical. This facility provides both new professionals and methods to enhance Hawaii's biosecurity and food security needs.

In conclusion, I fully support HCR 104 as the Magoon Teaching and Research Facility is unique and in many ways irreplaceable. The consequences of converting this facility to housing will be strongly detrimental to a growing diversified agricultural industry in Hawaii.

Sincerely,

Nicklos Dudley

Nicklos Dudley

Maunawili Experiment Station Manager

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Frederika Bain

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Frederika Bain. I am an employee of the College of Tropical Agriculture and Human Resources. I am offering personal testimony.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

The facility supports the STEM education of elementary students and provides the site for college students learning about sustainable and organic farming. It is the only place where preveterinary and other animal science students can receive hands-on learning about small animals. It is a vibrant place full of idealism and optimism combined with practical know-how. While faculty housing is an important issue, there is absolutely no compelling reason why it must be located at the Magoon site, whereas there are numerous reasons that the classes and research conducted there do need to remain there.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Sincerely, Frederika Bain

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Monday, March 19, 2012 10:10 AM

To:

AGRtestimony

Cc:

margovitarelli@yahoo.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: margo vitarelli

Organization: Individual

E-mail: margovitarelli@yahoo.com

Submitted on: 3/19/2012

Comments:

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Margo Vitarelli and I work at a botanical garden in Manoa Valley. I understand the importance of agricultural research on Oahu and space allocated to agricultural research is space well used for the future of our islands, or goals of health economic well-being and self-sufficiency.

mahalo Margo Vitarelli 988-1287 Dear Chair Representative Clift Tsuji,
Vice Chair Representative Mark J. Hashem,
and Members of the House Committee on Agriculture

Dear Chair Representative Angus L.K. McKelvey
Vice Chair Isaac Choy,
And Members of the House Committee on Economic Revitalization & Business

Thank you for this opportunity to provide written testimony in Support of House Bill HCR 104, Relating to the Magoon Research and Teaching Facility. My name is Dr. Susan C. Miyasaka, and I am a professor in the Department of Tropical Plant and Soil Sciences at the University of Hawaii's College of Tropical Agriculture & Human Resources (CTAHR).

I was born in Honolulu, Hawaii and I have served as a professor at the University of Hawaii for over 20 years. I support House Bill HCR 104 that designates CTAHR's Magoon Research and Teaching Facility as Agricultural Land to be protected. I have used the Magoon Facility for both teaching and research purposes. It is within easy walking distance for students from the Manoa campus, allowing ready access for teaching and research.

While there is a need for affordable faculty housing, it would be short-sighted on the part of the University of Hawaii's administration to use this facility for such purposes. The Magoon Facility should continue to be used for agricultural research and education that are critical to the Land Grant mission of the University of Hawaii and for the benefit of Hawaii's various agricultural industries.

I ask humbly that you vote in support of HCR 104 that requests the University of Hawaii's Board of Regents to preserve and protect Magoon's Research and Teaching Facility for future generations. Please feel free to contact me if you have further questions.

Best wishes,

Susan C. Miyasaka P.O. Box 203 Pepeekeo, HI 96783 (808) 217-1477

House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Jerome P Siebenrock

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Jerome Siebenrock. I am an interested member of the community and an Orchid Nursery operator.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Jerome P Siebenrock

UH Faculty—General Support

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by RuthEllen Klinger-Bowen

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is <u>RuthEllen Klinger-Bowen</u>. I am <u>a Junior Extension Agent</u> at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Ken Kajihara of Kipuka Kalani'iki

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, Representative Hashem, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business, my name is Ken Kajihara and I am a 1975 CTAHR graduate.

As part of my program of study at the University of Hawaii, I did lab work at Magoon and those formative experiences helped me in my careers in agricultural education, environmental safety, and school facilities management.

I am also a volunteer with Kipuka Kalani'iki, the Kalani High School and Kalani Complex sustainability program. As part of our K-12 sustainability initiative, we use data-driven and research-based STEM approaches to address the real-world issues of food and energy independence and green jobs preparation.

However, in order to do this with integrity, we need the resources that only Magoon and its staff can provide. The facility and personnel are accessible to urban schools and uniquely positioned for both on-site and outreach technology transfer.

I therefore strongly encourage you to support HCR 104 and designate Magoon to CTAHR.

House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Dr. Brian Turano

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Dr. Brian Turano. I am a faculty member in the Department of Tropical Plant and Soil Sciences at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering and small animal surgery.
- I conduct a variety of research projects including bioenergy research at the Magoon Facility and benefit directly from its outstanding capacity for research and education.

I strongly encourage our legislators to support HRC 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

By

Zac Hossler

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

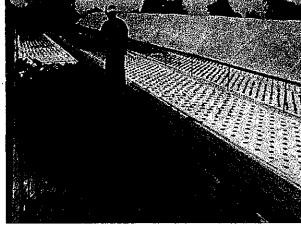
Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Zac Hossler and I am an interested member in the community.

I am a newly established aquaponic farmer located in Kailua Kona and one of the state's producers of aquaponically grown leafy greens. My business has benefitted directly from the research and extension efforts of the College of Tropical Agriculture and Human Resources (CTAHR). My company have partnered with researchers at CTAHR and understand that there capacity to provide the kinds of science based information that is needed for this emerging technology would be augmented with the increased capacity at Magoon Research Facility. These efforts to augment the agricultural capacity should continue to take place and any attempts that would result in decreasing their capacity should be discouraged. I have been grateful for the assistance of CTAHR scholars and look forward to collaborating with those that will be based out of the Magoon facility for many years to come.

For all these reasons I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Zachary Hosler

Zachary Hosler Livng Aquaponics Inc 808-896-1817



hashem3 - Casey

From: Sent: mailinglist@capitol.hawaii.gov Sunday, March 18, 2012 11:35 PM

To:

AGRtestimony

Cc: Subject: combsb001@hawaii.rr.com

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Bruce M. Combs Organization: Individual

E-mail: combsb001@hawaii.rr.com

Submitted on: 3/18/2012

Comments:

I am a classified senior pursuing a degree in Tropical Plant and Soil Science within CTAHR. Almost every TPSS class I've taken has a weekly lab, and those labs use Magoon. The students are not only expected to go to Magoon for the regularly scheduled lab but also but also on their own time because the crops or ornamentals we grow there need constant care and management. Also, on our own time and outside of class, we have to check on the lab experiments we run there. All of the CTAHR agriculture students grow things and run experiments at Magoon, and it's easy to lose an entire semester's work if you don't keep close tabs on what you have going at Magoon. For these reasons, moving Magoon away from the Manoa campus isn't a practical solution. We can't commute to somewhere else on the island and attend our classes at Manoa too. Agriculture today is an applied science; having an easily accessible lab is absolutely essential to the education, which is why I urge you to support HCR104.

hashem3 - Casey

From: Sent:

norfolkldm@aol.com

Sunday, March 18, 2012 5:28 PM

To:

AGRtestimony

Subject:

House Resolutiion 104

Rep Cliff Tsuji,

I have been a Hawaii Farmer for more than 40 years and I support HCR 104, relating to the Magoon Research and Teaching Facility. This School has done so much for Hawaii Farmers and I strongly encourage your support of this legislation.

Sincerely,

Doug MacCluer, 360 Hoopalua Dr, Pukalani, Maui, Hi. Phone-268-1544

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Dr. Joseph DeFrank

Support for HCR 104, Relating to the Magoon Research and Teaching Facility.

My name is Joseph DeFrank. I have been a faculty member in the College of Tropical Agriculture and Human Resources at UH Manoa for over 28 years. However, today I am providing personal testimony

I support House Resolution HCR104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes. My reasons for support of this bill are personal. For last 20+ years, I have expended a large portion of time, energy and interpersonal currency to help make this facility a top flight teaching and research facility for agricultural faculty and both graduate and undergraduate course work. Until 2005, the facility suffered a long slow decline in function and image due to administrative neglect. Miraculously in 2005, the UH allocated about 4.2 million dollars to repair all the glass and shade houses and bring the head house with classroom and shower/bathroom facilities into full ADA compliance. Faculty and staff are now able to bring visiting scientists, tour groups, and students to a facility that we are all proud of and can make full use of the plant growth areas both under cover and outdoors. I also provided leadership to install 5 simulated sport turf plots for student training on turf and landscape maintenance. With our newly renovated structures and garden beds we opened our facility to the Noelani Elementary School so that our students in agricultural clubs could interact with their 1st graders and help them to appreciate the joy and importance of growing your own food.

One day last November 2011, I was informed that the UH had commissioned an assessment of 3 sites for faculty housing. Our Magoon Facility was at the top of the list for lowest cost housing construction. What was most discouraging about this assessment was that our newly renovated facility was placed at the same level of significance as a parking lot and an undeveloped hillside with a 30% slope. Clearly, the UH administrators seeking to replace the Magoon Facility with faculty housing have no regard for the research and teaching functions of this facility and no regard for the efforts that I and my fellow faculty and staff have made to develop this facility as an important physical component of CTAHR's mission to serve the agricultural industries of Hawaii.

When the UH administration announced that over 1 million dollars is to be spent on architect plans and construction assessment for the Magoon Facility they declared war on my college, my students, my fellow colleagues and me. With this testimony, I stand in open opposition to UH plans to destroy the Magoon Facility and replace it with faculty housing. I respectfully ask for your support of this bill that will send a strong message to the UH Administration that agricultural research and teaching are important components of the academic environment and that the Magoon Facility must remain in CTAHR, at its current location, to best preserve this aspect of the Manoa Campus. I place myself at your service should you require any additional information in your consideration of this resolution.

The following testimony is in support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is F. Douglas Lofton, Esq. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Monday, March 19, 2012 11:19 AM

To: Cc: AGRtestimony sbolduc@hawaii.edu

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support
Testifier will be present: No
Submitted by: Sara Bolduc
Organization: Individual
E-mail: sbolduc@hawaii.edu
Submitted on: 3/19/2012

Comments:

Magoon is an important research site used for instruction for numerous classes and a necessary part of providing hands-on experience for UH Students. No alternative location has been proposed to support these activities if the facility is replaced. In a time where food security and environemntal research calls for innovation, impeding on the University's ability to conduct meaningful research to these ends is futile.

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 By

Luisa Castro

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Luisa F. Castro and I am an Extension Educator with the College of Tropical Agriculture and Human Resources (CTAHR) at the University of Hawaii (UH). I am providing testimony as a private citizen and do not represent the University of Hawaii. I strongly support HCR 104, Relating to the Magoon Research and Teaching Facility for the following reasons:

HCR 104 will provide the necessary guidance to plan and complete capital improvements necessary for UH to remain competitive in the 21st century. It does so by pointing out the shortfalls of planning to have capital improvements, such as faculty housing, taking place at locations like the Magoon Agricultural Research Station located in Manoa. This particular research facility plays a pivotal role in the programs, outputs and impacts that CTAHR, our founding college, provides for the State of Hawaii. Capital improvements should be conducted that would result in the overall improvement at the Magoon facility and thereby improve CTAHR's research, education and outreach mandates ultimately improving the capacity of UH to fulfill its vision and mission. There are many other places and means in which faculty housing can be implemented or assistance provided without having to sacrifice the capacity of CTAHR by taking away the Magoon Agricultural Research facility.

I fully support passage of HCR 104 as it provides a clear message that capital improvement projects, like faculty housing, should only occur at locations other than at the Magoon Agricultural Research Station thus insuring the competiveness of UH is enhanced rather than diminished.

Respectively:

Luisa F. Castro

Susa F. Casto

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by

Brian Dote

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity_to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Brian Dote and I am a mobile application developer specializing in designing mobile games and apps that promote science, technology, engineering, and math (STEM) curricultums. I am providing testimony and strongly support HCR 104, Relating to the Magoon Research and Teaching Facility for the following reasons:

Since the foundation in 1907 as a land grant college, the University of Hawaii has since become a destination of choice for students and faculty that come from across the nation and the world to take advantage of UH Mānoa's unique research and educational opportunities, diverse community, nationally-ranked Division I athletics program, and beautiful landscape. Consistently ranked a "best value" among U.S. colleges and universities UH is also noted for being:

- one of only 32 institutions nationwide to hold the distinction of being a land-, sea-, spaceand sun-grant research institution
- UH Mānoa is ranked in the top 30 public universities in federal research funding for engineering and science and ranked 49th overall by the National Science Foundation.
- classified by the Carnegie Foundation as having "very high research activity,"
- ranked among the top 10 in the nation according to *U.S. News & World Report: America's Best Graduate Schools 2012* in the Library and Information Science program school library media specialization

Clearly there is a need to plan and complete capital improvements necessary for the University of Hawaii to remain competitive in the 21st century. HOWEVER, it should also be noted that capital improvements (e.g., faculty housing) should not take place where an academic unit would be jeopardized along with their programs such as the Magoon Agricultural Research Station located in Manoa Valley and part of the College of Tropical Agriculture and Human Resources (CTAHR).

I also have been a technical lead on grants promoting STEM education through use of aquaponics. The communities and students we service will be greatly impacted by the loss of this particular

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by

Brenda Lukas

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Brenda Lukas. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

hashem3 - Casey

From: Sent:

mailinglist@capitol.hawaii.gov Sunday, March 18, 2012 10:42 AM

To: Cc: **AGRtestimony** lkuveda@hawaii.edu

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Lance Uyeda Organization: Individual E-mail: lkuyeda@hawaii.edu Submitted on: 3/18/2012

Comments:

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair

Rep. Mark J. Hashem, Vice Chair

and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

bν

Lance Uyeda

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & amp; Business:

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 By

Judy Inouye

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Judith Inouye, a retired science teacher and currently a teacher facilitator of a UH STEM Project and am an interested member of the community.

Recently it was brought to my attention that the fate of the Magoon Ag Research Center might be in jeopardy. While I support the allocation of funds for improving UH such as faculty housing, I strongly believe that it should not be done by sacrificing the Ag Research Center.

I am very concerned about our State's priorities as regards to science and engineering **RESEARCH** at a time when we are constantly reminded of the need to foster those areas to make our nation strong. Please do not reduce the priority for science and engineering research at University of Hawaii.

Throughout my career as a science teacher, I sought the expertise of countless researchers at UH who impacted me and my students greatly for field trips, science research projects, and numerous classroom activities.

More recently CTAHR researchers, Dr. Clyde Tamaru, Dr. Samir Khanal, Dr. Jon Paul Bingham, Dr. D Borthakur have been instrumental in sharing their research and their research facilities with groups of teachers interested in improving their STEM Curriculum. They are impacting teachers and students in our State.

I am looking forward to the new Hale Tuahine facility as another resource for teachers in our State. Teachers and students learn a great deal from visiting a research site. Recent national statistics are indicating that Hawaii's science teachers need support from all who can improve their curriculum. The Magoon Ag Research Facility can provide this kind of support.

Judith Inouye

March 18, 2012

To:

House Committee on Agriculture

Rep. Clift Tsuji, Chair

Rep. Mark J. Hashem, Vice Chair

House Committee on Economic Revitalization & Business

Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair

Personal Testimony by: Chris Kadooka

Regarding: HCR 104, to keep the Magoon Research and Teaching Facility, I <u>SUPPORT</u> this bill.

The Magoon Research Facility is an indispensible component of the College of Tropical Agriculture and Human Resources teaching and research program. It provides field plots for researchers to test new growing techniques, propagate new ornamental and vegetable crops, test innovative designs for plant propagation, examine organic and traditional techniques for cultivating crops, provides greenhouses to cultivate new disease resistant ornamental and vegetable crops for Hawaii's farmers, and is a site for community outreach to show elementary school students how vegetable crops are grown.

The facility is heavily used, is in close proximity to the UH Manoa campus, which allows student to walk to classes. It also allows researchers the efficiently monitor and maintain experiments. Moving the research site anywhere else will add significant cost to projects because of increased travel time, and will reduce the amount of research results.

Faculty housing is needed, but it can be accommodated at a different site. Please do not sacrifice the benefits this research facility provides to so many in order to provide housing for a few.

Thank you for your time.

Sincerely,

Chris Kadooka

Personal Testimony Presented Before the House Committee on Agriculture: Rep. Clift Tsuji, Chair, Rep. Mark J. Hashem, Vice Chair

House Committee on Economic Revitalization & Business: Rep. Angus L.K. McKelvey, Chair, Rep. Isaac W. Choy, Vice Chair, Wednesday, March 21, 2012

By: Judith Dacanay

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to **TESTIFY IN FAVOR OF HCR 104**, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Judith Dacanay and I am very concerned and disappointed to hear that the University of Hawaii is even considering replacing CTAHR's Magoon Field Station site with faculty housing. I'm not against increasing faculty housing, however, replacing the Magoon site would be detrimental to the College of Tropical Agriculture and Human Resources (CTAHR). Much of the scientific research that starts there extends into our community. We have benefitted first hand from CTAHR's research and extension programs.

I am an Occupational Therapist at Hawaii State Hospital. I have had the pleasure of working with Clyde Tamaru and his Windward extension CTAHR staff since March of 2010. At that time, Clyde was instrumental in launching Hawaii State Hospital's Aquaponics Work Program. He not only shared his knowledge and expertise in Aquaponics, but he generated community donations (monetary, supplies and labor) to make it happen. He organized community volunteers and assisted our staff and patient's with building our own Aquaponic's system from the ground up. Clyde and his colleagues are constantly called upon to assist us with everything from tank malfunctions to problems with our water chemistry.

Our patient's have truly benefitted from the Aquaponic's Work Program. They come to work with a sense of purpose and pride. They do everything from feeding the fish, planting, harvesting, doing water chemistry, performing tank maintenance.

Our patient's are developing work skills and confidence as they perform their daily aquaponics work tasks. They are not only developing work ethics, coping skills, communication skills, but they are also increasing their knowledge in a field that is growing rapidly. They are learning how to become more self—reliant though Aquaponics and how to conserve water. Through the experience of some fish dying, they have learned about water chemistry and the importance of maintaining a proper pH. Some are curious and want to know how the nitrogen cycle works. Some have expressed interest in building an aquaponics system once they are discharged.

Clyde has also been instrumental in helping us transition patients into the community through his wide range of community contacts. Thanks to Clyde many of our patient's have had the opportunity to visit Mari's Garden (a commercial Aquaponics Farm in Mililani). This was very inspiring and rewarding for our patients. I am honored to be able to work with Clyde Tamara and his dedicated CTAHR staff at the Windward Community College. CTAHR'S work extends from Magoon laboratory into the community for practical application. We have benefitted first hand from this. We have participated in plant growth science experiments where our patients collect and record the data and we give it to Clyde and his staff to analyze. Clyde is not only making a difference through sharing his scientific knowledge with the community, he making a difference in the lives of patients at Hawaii State Hospital.

Please do not build faculty housing at the Magoon site.

Judy Dacanay Aquaponics Work Program Coordinator Occupational Therapist/Hawaii State Hospital Personal Testimony Presented Before the House Committee on Agriculture: Rep. Clift Tsuji, Chair, Rep. Mark J. Hashem, Vice Chair

House Committee on Economic Revitalization & Business: Rep. Angus L.K. McKelvey, Chair, Rep. Isaac W. Choy, Vice Chair, Wednesday, March 21, 2012

By: Sheila Cyboron

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Sheila Cyboron and I am a science teacher and Board member of the Waikalua Loko Fishpond Preservation Society. I am providing testimony and strongly support HCR 104 for the following reasons:

Since the foundation in 1907 as a land grant college, the University of Hawaii has become a destination of choice for students and faculty that come from across the nation and the world to take advantage of UH Mānoa's unique research and educational opportunities, diverse community, nationally-ranked Division I athletics program, and beautiful landscape. Consistently ranked a "best value" among U.S. colleges and universities, UH is also noted for being:

- one of only 32 institutions in the U.S. to hold the distinction of being a land-, sea-, space-and sun-grant research institution
- UH Mānoa is ranked in the top 30 public universities in federal research funding for engineering and science and ranked 49th overall by the National Science Foundation.
- classified by the Carnegie Foundation as having "very high research activity,"
- ranked among the top 10 in the nation according to U.S. News & World Report: America's Best Graduate Schools 2012 in the Library and Information Science program, school library media specialization

Clearly UH must continue to plan and complete capital improvements necessary for the University of Hawaii to remain competitive in the 21st century. HOWEVER, during the planning there must be some assurance that capital improvements (e.g., faculty housing) are to take place where they will NOT jeopardize other UH colleges or programs such as the Magoon Agricultural Research Station located in Manoa Valley. This particular research facility plays a pivotal role in the programs, outputs and impacts that the College of Tropical Agriculture and Human Resources (CTAHR), the founding college of the University of Hawaii, provides for the State of Hawaii. Its agriculture and stewardship activities in close proximity to the UH Manoa campus and Manoa community cannot be replaced or replicated. Capital improvements should be pursued that would result in the overall improvement at the Magoon facility and thereby improve CTAHR's research, education and outreach mandates, ultimately improving the capacity of UH to fulfill its vision and mission.

In conclusion I support HCR 104 as it clearly reaffirms that UH Manoa follow its Long Range Development Plans and designate the Magoon Agricultural Research Station to remain as part of CTAHR due to its continuing importance to the students, community and State's economy.

Signature

Sheila A. Cyboron

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

Clyde S. Tamaru

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Clyde S. Tamaru. I am an Aquaculture Specialist at UH Manoa. However, today I am providing personal testimony and am not representing the University of Hawaii.

I support House Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for the College of Tropical Agriculture and Human Resources (CTAHR) curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its central location in Manoa Valley and ease of access makes it also ideal for conducting hands on agricultural training, extension and outreach projects with the community in general.
- Its location immediately adjacent to the Manoa campus, Noelani Elementary School, Mi-Pacific High School and is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering, aquaculture/aquaponics and small animal surgery.

I strongly encourage our legislators to support HR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, stewards, nurserymen, agricultural entrepreneurs, landscape specialists, and agricultural scholars.

Personal Testimony Offered to
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
By Connie Mitchell, Executive Director
IHS, The Institute for Human Services, Inc.

RE: Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am an interested member fo the community because CTAHR has been a valuable partner of IHS in our efforts to promote urban farming among our homeless guests. Our project is also an effort to support food security long term for our island community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Alex Lehman

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Alex Lehman, a graduated student in the Department of Tropical Plant and Soil Sciences at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. My research on endemic Hawaiian cotton investigates the impacts of gene flow between Hawaiian and commercial cotton species. The Magoon Facility is within walking distance to the Mänoa campus, which allows me to work on my research between classes, meetings and lab work. My research requires daily monitoring and maintenance which would not be possible if Magoon were to be relocated to an off campus site. Magoon and its staff have proven invaluable to my graduate education and research at the University of Hawai'i.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on Oʻahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

UH Faculty—General Support

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Barbara Yee

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is _Barbara Yee, Chair of Family and Consumer Sciences. I am at UH Manoa. However, today I am providing personal testimony that supports faculty housing, however, another more appropriate land must be used for this important facility. This research and science education facility close to campus cannot be duplicated elsewhere.

I support House Resolution HCR104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering and small animal surgery.
- It is used for Family Education, 4-H Science and Agricultural Education Youth development activities with our faculty and undergraduate students

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural and behavioral/social scientists.

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Surabhi Jain

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Surabhi Jain. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: Yes

Submitted by: Scott Lukas Organization: Individual E-mail: slukas@hawaii.edu Submitted on: 3/20/2012

Comments:

The following attached testimony is a revision of my previously submitted testimony.

Thank you chairmen and representatives for allowing me the opportunity to testify my support for retaining the Magoon research and instructional facility.

My name is Scott Lukas, I am Ph.D student in the Tropical Plant and Soil Sciences department at UH at Manoa. I earned my Masters of Science degree last year through the University of Hawaii. My masters research experiments were directed at expanding usage of Native Hawaiian plants for Hawaii's roadways. The research accomplished benefits the state of Hawaii, and was conducted at the Magoon research facility. I am just one of many students who's academic pursuits are enabled by the usage of the Magoon.

The Magoon Research and instructional facility represents an invaluable resource for CTAHR, the University of Hawaii, and the entire state.

Research and education activities conducted at Magoon, aligns with the Hawaii 2050 sustainability plan created in 2005 by the State legislature. From the 2050 plan, there are 9 intermediate steps to be accomplished for the year 2020, the science and teaching activities conducted at Magoon directly supports 4 of the 9 benchmark priorities.

These steps directly from the sustainability plan are as follows:

Strengthen public education: We accomplish this step at Magoon through college level courses and laboratory sessions and also by providing agricultural learning opportunities and field days for local elementary schools.

Reduce reliance of fossil fuels. The facility houses Research directed at determining potential biofuel species and through breeding development of current biofuel plants.

Create a sustainability ethic. This is accomplished through sustainable agricultural practices being utilized on the facility and being taught to students. Community groups participate in

hashem3 - Casey

From: Sent: mailinglist@capitol.hawaii.gov Sunday, March 18, 2012 7:57 AM

To:

AGRtestimony

Cc:

lynnfujioka@gmail.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Lyn Fukioka

Organization:

E-mail: lynnfujioka@gmail.com

Submitted on: 3/18/2012

Comments:

Not sure at this time whether I will be able to attend.

Sarah Styan P.O. Box 402 Hanapepe, HI 95716

HCR 104, Relating to the Magoon Research and Teaching Facility
House Agriculture Committee & House Economic Revitalization & Business Committee
March 21, 2012 at 9:00 a.m. House Conference Room 312

Position: Support designation of Magoon Research and Teaching Facility

Chairs Tsuji and McKelvey; Vice Chairs Hashem and Choy, and members of the committees

My name is Sarah Styan and I am graduate of CTAHR and work as a scientist at the Pioneer Waimea Research Center on Kauai. I support HCR 104 to designate the Magoon Research and Teaching Facility site for the University of Hawaii at Manoa College of Tropical Agriculture and Human Resources.

The Magoon Facility is crucial to student education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. The Magoon Facility is within walking distance to the Mänoa campus, which allows students to work on research between and after classes. This is very important, as many students do not have access to cars and they would not be able to complete the necessary field and research experience if they had to travel to other locations farther away from campus.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students to get the education they need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on Oʻahu, the Magoon site is the only possible and the best site for education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Jinzeng Yang

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Jinzeng Yang. I am an associate professor of animal molecular biology at UH-Mänoa. However, today I am providing personal testimony.

I support HCR 104, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Mänoa as agricultural land to be protected for education and research purposes. As a professor who conducts research and teaching at the Magoon Facility, I have direct knowledge of its value to the college and to the university.

The Magoon Facility is absolutely required for training undergradute and graduate students in practical, hands-on working skills in animal and laboratory animals agricultural research skills. My area of research and teaching interests in skeletal muscle growth and diabetes studies in animal models, and it is necessary that they be held at Magoon because of the facility's convenience and frequent sampling and transportations between UH Manoa campus and the experiments. In the last several years, we have attracted more than 1 millions dollar funding into my research program. The facility and research infrastructure, and animal models we developed are very important for UHM research program, and my current graduate students' work. It takes many years of intelligence and hard work from myself and my previous and current graduate student to build up this research area. I personally believe that the plan of building new faculty housing at this location would increase the Manoa house values, resulting in more expensive living costs for faculty and students at UHM. It seems solving the faculty problem at present, but will have long-term loss of quality UH faculty. Therefore, If this facility is relocated, it will have serious adverse consequences for the long-term academic interests.

Personal Testimony Presented Before The House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair

The House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Dr. Douglas L. Vincent

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Douglas L. Vincent. I am the Department Chair of the Department of Human Nutrition, Food and Animal Sciences. I am also Chair of the Manoa Faculty Senate Committee on Administration and Budget. While I am all these things, my testimony in support of HCR104 is my own and does not represent the University of Hawaii.

My Department, which has over 100 Animal Science majors, would be crippled if we lost the Magoon Research and Teaching Facility. One of the buildings in CTAHR's Magoon Facility is the Woodlawn Small Animal Care facility, a small vivarium used by instructors and researchers using animals in our Department. The Small Animal Care Facility is used for poultry, aquaculture and growth physiology research. It is also used for instruction. In particular the labs there are used for the ANSC 301 Anatomy of Domestic Animals class — the only large animal laboratory on or near the Manoa Campus. The close proximity of the facility for our students, makes learning the anatomy of domestic animals much easier. The large animal surgery room permits the gathering of information and the direct hands-on instruction for our students, many of whom need this class to prepare them for application to Veterinary School. We are also working closely with the Windward Community College Veterinary Technician training program to enable their students to use the surgery for their training. The building also houses the only permitted pathological incinerator on the UH campus.

As Chair of the Manoa Faculty Senate Committee on Administration and Budget, we recently passed unanimously a resolution in favor of preserving the Magoon Research and Teaching Facility. This resolution will be heard by the entire Manoa Faculty Senate on March 21, 2012.

I strongly encourage our legislators to support HCR 104 and to enable CTAHR to continue its work to do world class research in support of our agricultural industries and more importantly, to ensure that we can continue to educate our students to prepare them to serve our State, our community and our animals. Thank you for permitting me to testify.

Douglas L. Vincent

Daugho L. Vincent

Chair, Human Nutrition, Food and Animal Sciences
College of Tropical Agriculture and Human Resources

March 19, 2012

House Committee on Agriculture Rep. Clift Tsuji, Chair

Twenty-Sixth State Legislature
Regular Session of 2012, State of Hawai' i
LEGISLATIVE TESTIMONY IN SUPPORT OF HCR 104

Hearing Date: March 21, 2012, 9:00 am Where: Conference Room 312

> Submitted by: Joe Blanco

Chair Tsuji, Vice-Chair Hashem, and members of the House Committee on Agriculture, I am pleased to submit testimony in strong support of HCR 104.

For over 2 decades, I have watched the College of Tropical Agriculture and Human Resources (CTAHR) experience a steady decline of support from campus and system administrators, as well as the UH Board of Regents.

As a former University of Hawaii Board of Regent and BOR chair, it is worth repeating that the UH Manoa campus has its founding roots in agriculture. The campus had a very humble beginning in 1907 as a land-grant college of agriculture and mechanic arts. In 1912, pig farms and kiawe groves surrounded Hawaii Hall, the first permanent building built on the Manoa campus. The building where the CTAHR dean's office is located was named after John Washington Gilmore, the first president of the College of Hawaii (the predecessor of the University of Hawaii at Manoa), who was the son of a farmer. President Gilmore was tasked to build Hawaii's first agriculture school.

One hundred years have passed since the establishment of the Manoa campus and during that time the CTAHR has played, and continues to plays, a key role in helping government and private industry shape Hawaii's agriculture history. The College's rich history and its long tradition of public-private sector collaboration, dates back to its founding years at the Manoa Campus. CTAHR remains focused on its founding tenets of helping diversify our economy, ensuring a sustainable environment, and building stronger families and communities.

Given the Manoa campus's founding roots in agriculture, the proposed use of the Magoon site for faculty housing is most disappointing. The University must not lose site of one of its

From:

mailinglist@capitol.hawaii.gov Monday, March 19, 2012 2:22 PM

Sent: To:

AGRtestimony

Cc:

michael.conway@dole.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Michael Conway Organization: Individual

E-mail: michael.conway@dole.com

Submitted on: 3/19/2012

Comments:

Personal Testimony Presented Before The House Committee on Agriculture

Rep. Clift Tsuji, Chair

Rep. Mark J. Hashem, Vice Chair and House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

Chairs and Committee Members, my name is Michael Conway. I am the Agriculture Manager for Dole Foood Company Hawaii and its' subsidaries, Waialua Estate Coffee & Dole Food Company Hawaii and its' subsidaries, Waialua Estate Coffee & Dole Food Company Cacao. Thank you for the opportunity to testify in support of HCR 104.

The U.H. Magoon greenhouse facilities and grounds are absolutely essential to the needs of both students and faculty at the School of

Agriculture. Without access to this very important facility you are endorsing abandonment of certain programs because students will be forced to fulfill their requirements in a difficult if not impossible manner. I am very aware of this need because as a former graduate student I would never have been able to complete my studies without this facility. The facts are simple: the college average student does not have the time or resources to travel a considerable distance on a repeated basis to tend to experiments, etc.

As person working in one of the States' biggest agribusinesses I am keenly aware of the need

search out and employ locally educated students as they represent Hawaii's agriculture future. Defeat of this bill sends the wrong message to the agriculture business community at large.

TESTIMONY IN SUPPORT OF HCR 104 Relating to the Magoon Research and Teaching Facility

Hearing on Wednesday, March 21, 2012 at 9:00 am Hawaii State Capitol, Conference Room 312

Personal Testimony by Kelvin Sewake Presented to:
House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair

Aloha! My name is Kelvin Sewake. I strongly support House Concurrent Resolution HCR 104 urging the UH to designate the Magoon Research and Teaching Facility site for the ÙH at Manoa College of Tropical Agriculture and Human Resources (CTAHR). I am currently a UH Manoa CTAHR faculty member, but I am providing this testimony personally.

I have been associated with the Magoon Facility for over 33 years in different capacities and can attest to its value. Its value as a teaching facility cannot be overstated. As an undergraduate of CTAHR, I studied plant science and crop production at Magoon strengthening my knowledge in horticultural practices. As a graduate teaching assistant, I taught many undergraduate students these very same knowledge and skills at Magoon that were taught to me there. The location for student learning is conveniently close enough to the main Manoa campus where it is very accessible. And the relevance of the facility's programs and courses taught there truly enhances student learning critical to future agriculture graduates who will contribute to our state's agriculture industry. These CTAHR students are our future for agriculture!

In my current capacity as a CTAHR County Extension Agent in Floriculture for the past 23 years, I can say that Magoon's value, specifically to the floral and nursery industry alone, is tremendous. Hawaii's Floriculture and Nursery Industry is comprised of 970 farms with a wholesale value of sales of \$75.6 million, making it the second largest agriculture industry in our state. One of the main reasons for the industry's success is due to plant breeding and other vital research that takes place at the Magoon Facility. CTAHR researchers have developed literally dozens of new flower varieties that have broad market appeal that have kept the floral industry competitive in the domestic and international marketplace. The dendrobium orchid industry in Hawaii has grown to become the large commercial industry it is today founded mostly on these UH dendrobium hybrids. Breeding of new flower varieties is still ranked among the highest priority needs which, without a strong breeding program, the floral industry would decline. Other research has focused on numerous problems associated with crop production, and results from research have often been well adopted by Hawaii's farmers, helping to make farming viable and sustainable.

As agriculture is one of the economic engines for Hawaii, we must ensure programs to support it. The Magoon Facility has proven to be one those assets that has contributed to successful agriculture and growth in the state's economy. I urge you to please support HCR 104. Mahalo!!

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Barry M. Brennan

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Barry Brennan. I am an Emeritus Professor at UH Manoa. I joined the faculty in 1975. Although I retired in 2004 I continue to work at UH. I am providing personal testimony

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes.

In 1984 I served as the Chair for the Department of Environmental Biochemistry. In that capacity I met informally with Glady Brandt, then Chair of the Board of Regents, asking her to support construction of additional faculty housing. Recruiting new faculty, particularly at the assistant professor level, was hampered low salaries and scarcity of housing. I know of which I speak. As a young faculty member I lived in dilapidated faculty housing on Dole Street From 1976-77. I signed a one year lease and I vacated it in one year.

Over the years, that one year lease has been extended, first to three years and then apparently to an unlimited period. UH Executive Policy E5.226 states that the purpose of faculty housing is to "help selected newly and recently appointed personnel of the University system obtain suitable housing..." Over the years that policy has been amended and now apparently includes anyone who is appointed by the BOR and anyone who the University considers "critical to a given academic unit". Junior faculty now find themselves at the back of the line and housing is again a problem, just like it was nearly 30 years ago.

The administration has two obvious options: (1) change the policy to address its original intentions, supporting new faculty who need financial housing assistance, or (2), build more housing. If the latter, UH should not displace Magoon Research and Teaching Facility of considerable value to its mission as a land grant institution. In spite of spending in excess of \$1 million dollars on site studies, I believe there are more suitable sites, e.g., the motor pool.

I strongly encourage you to support HCR 104 and to direct the University to either amend its housing policy or find a housing site which will not negatively impact agricultural research, education and extension programs.

Thank you.

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Bradley K. Fox

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you very much for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Bradley "Kai" Fox, and I am an Assistant Extension Specialist at UH-Mänoa. However, today I am providing personal testimony.

I strongly support HCR 104, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Mänoa as agricultural land to be protected for education and research purposes. As an Extension Specialist who conducts research in collaboration with a number of undergraduate and graduate students, as well as workshops at the Magoon Facility, I have direct knowledge of its value to the college, university, and greater community.

The Magoon Facility is vital for training students in practical, hands-on applications of agricultural production and research. Such hands-on research activities are at the core of agricultural experimentation, and it is impossible to understand practical agriculture and the underlying scientific principles without them. My research and extension activities are in the area of aquaculture and aquaponics, and it is necessary that these activities take place at Magoon because of the facility's close proximity to our flagship Manoa campus.

Proximity and convenience in terms of a physical location where research can be conducted for students are key. Students often only have several minutes to get from one class to the next, and therefore it would be time prohibitive to conduct a class in any location further from the Mänoa campus than Magoon. The next closest location for fieldwork is the college's Waimanalo station, which, is so far distant that travel there is so inconvenient and disrupting to academic schedules as to make it prohibitive as an alternate research location. Indeed, our department also maintains an additional satellite freshwater aquaculture and aquaponics laboratory at Windward Community College, however, due to its distance from campus we currently have no undergraduate or graduate experiments at the site.

As an educator, I deeply believe that the needs of the students are paramount. I therefore strongly encourage our legislators to support HCR 104 and thereby assist the founding Land Grant

hashem1 - Julie

From: Sent: mailinglist@capitol.hawaii.gov Monday, March 19, 2012 4:10 PM

To:

AGRtestimony

Cc:

sprinkle@hawaii.rr.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Gary Sprinkle Organization: Individual

E-mail: sprinkle@hawaii.rr.com

Submitted on: 3/19/2012

Comments:

Greetings. My name is Gary Sprinkle and I have been doing television reports and documentaries on Hawaii's sustainability for more than 30 years. In that time it has become apparent to me that the worlds most isolated island chain must be more self sustainable. I have witnessed and also reported on the admirable work being conducted by CTAHR. I urge you to not only give CTAHR the Magoon facility, but also feed them whatever else they may need as their work may indeed be the reason we are able to feed ourselves. Mahalo for your consideration.

Community Supporter—Horticulture Industry

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by David Fell

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is David Fell. I am an interested member of the community.

I am a owner/grower at Hawaiian Sunshine Nursery, one of the state's producers of ornamental plants. My business directly brings \$4,000,000.00+ to the state economy, while the horticulture industry as a whole contributes at least \$100 Million per year. Throughout the years my company has partnered with researchers at Magoon Facility to improve the nutrition of our Dracaena and Anthuriums, a partnership that has led to increased revenues and a much enhanced product. I have been grateful for the assistance of CTAHR scholars working at the facility and look forward to collaborating with Magoon for many years to come and together working to further research on Protea.

As a businessperson, I am also aware of how difficult it is becoming to find qualified workers in the horticulture industry. Magoon is one of the few places that students can get the training to go into this important business, with its large economic implications for the state. It is also the only facility where students' training in such horticulturally essential topics as fertilizers, weed control, nematodes, and nursery management, can be integrated with the full range of laboratories, classrooms, and facilities that the UH-Mänoa campus has to offer. I hope personally as well as in terms of its larger self interest that the state comes to an understanding of the importance of investing in the next generation of agricultural workers.

For all these reasons I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR. UH needs more facilities like Magoon not less.

Sincerely, David Fell

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Monday, March 19, 2012 12:47 PM

To:

AGRtestimony

Cc:

glass.greg@gmail.com

Subject: Attachments: Testimony for HCR104 on 3/21/2012 9:00:00 AM COMMUNITY SUPPORTER_sample testimony.docx

Follow Up Flag:

Follow up

Flag Status:

Flagged

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Gregory Glass Organization: Individual E-mail: glass.greg@gmail.com Submitted on: 3/19/2012

Comments:

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

by

Kawika Ordenstein

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Kawika Ordenstein. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by David McGuire

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is David McGuire. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

David McGuire

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
John K. Poggi

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is John K. Poggi. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

John K. Poggi

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Cassandra Hokuao Poggi

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Cassandra H. Poggi. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Cassandra H. Poggi

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Chov. Vice Chair

Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by

Sharon Leinaala Bright

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in strong support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

I am Sharon Leina'ala Bright, I am a native Hawaiian Health practitioner skilled in the arts of lomilomi and la'au lapa'au agriculture and healing practices. I have returned to college and obtained by AA degree from Windward Community College and am now an undergraduate student in the Hawai'inuiakea School of Hawaiian Knowledge, Kamakakūokalani Center for Hawaiian Studies. I am also a student intern in the Department of Molecular Biosciences and Bioengineering a department in CTAHR. I returned to college in order to achieve my goal of becoming a lifelong contributing team member as a teacher and learner within a positive, nurturing environment that shares Native Hawaiian values, la'au lapa'au agriculture and healing practices that will serve families and communities towards wellness and prosperous sustainability. To achieve that goal I have engaged

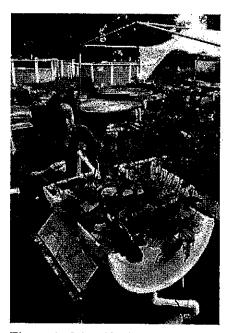


Figure 1. Myself with aquaponically grown lā'au lapa'au. Photo courtesy Han Hou Magazine.

myself in both the culture and science of aquaponics an emerging technology that has proven to be a suitable option for allowing the production of fish and plants in locations that would otherwise not be possible to grow things. The science based research and extension work being conducted by CTAHR's aquaculture/aquaponics research and extension program has been instrumental in my current future development. The focus of their efforts are currently turning towards the establishment of a research and extension center appropriately named, Hale Tuahine (Tuahine refers to the misty rains of Manoa) that is to be located at the decommissioned USDA Fruitfly facility. Such a center would increase the research and extension capacity of CTAHR

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair

Wednesday,March 21, 2012 by Jacinda Elias

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Jacinda Elias. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

From: Sent: mailinglist@capitol.hawaii.gov Monday, March 19, 2012 4:34 PM

To: Cc: AGRtestimony dward@hawaii.edu

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Deborah Ward Organization: Individual E-mail: dward@hawaii.edu Submitted on: 3/19/2012

Comments:

Aloha,

I studied horticulture at UHM in the 1970s and 1980s, and served as an extension agent for 23 years, teaching gardening and training 4-H leaders. Magoon was instrumental to my education, and I strongly support the continued use of the facility for agricultural education. As a result of my education at Magoon, I am now a full-time farmer, providing local organic produce for customers at farmers markets. thank you for your support.

Personal Testimony Presented Before

<u>House Committee on Agriculture</u>

Rep. Clift Tsuji, Chair

Rep. Mark J. Hashem, Vice Chair

and

House Committee on Economic Revitalization & Business

Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by J. Kenneth Grace

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is <u>J. Kenneth Grace</u>. I am an entomologist, and Interim Associate Dean and Director for Research, in the College of Tropical Agriculture and Human Resources at the University of Hawaii at Manoa. However, today I am providing personal testimony.

I strongly support HCR 104 urging the University of Hawaii to designate the Magoon Research and Teaching Facility located at 2727 Woodlawn Drive for the purposes of agricultural research, education, and outreach by CTAHR at UH Manoa.

This UH Manoa research, education and outreach facility has been in use by CTAHR for approximately 40 years, and site environmental conditions are well-documented, allowing for long-term collection of comparable research results that continue to be of great value to Hawaii's agricultural producers. This includes the development of new flower varieties, breeding of disease-resistant plants, aquaculture and aquaponics research and demonstrations, and control methods for fruit flies and other serious agricultural pests. Turf trials at Magoon continue to be of value both to turf producers and tourism facilities. Moreover, the site contains uniquely constructed facilities that meet requirements for studying both plant genetics and research on small animals.

In terms of benefiting the general community, the Magoon facility has been a key research site for the development of new methods of controlling Hawaii's notorious ground termites with baits that pose no risks to people or pets. It also serves the community as a site for agricultural and aquaponics demonstrations, agricultural programs for public school students, and a very active plant science and gardening program with adjacent Noelani Elementary School.

In addition to the existing facilities at Magoon and well-documented soil and environmental conditions, its value lies in its immediate proximity to the UH Manoa campus. This allows the facility to be used not only for training graduate students, but for courses and course laboratories that must fit within the confines of UH class schedules. Nowhere else on campus or at outlying research sites can curricula on agricultural research and production be delivered as part of normal class activities.

March 19, 2012.

To: Representative Clift Tsuji, Chair House Committee on Agriculture.

and Rep. Mark J. Hashern

Vice Chair, House Committee on Agriculture.

Fax: 808 586 6511

From.: CN Lee,

Tel.: 808 956 4882

Ref.: HCR 104, "URGING THE UNIVERSITY OF HAWAII TO DESIGNATE THE MAGOON RESEARCH AND TEACHING FACILITY SITE FOR THE UNIVERSITY OF HAWAII AT MANOA COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES."

I am a faculty member with the College of Tropical Agriculture and Human Resources (CTAHR), University of Hawaii-Manoa. I want to thank you for the introduction of HCR 104 and urge its passage for the following reasons:

- the site is important to facilitate research and training of students agriculture and environment sciences due to it proximity to campus,
- ✓ the site allows students to gain "hands-on" practical experiences in field trials,
- its proximity allow for more intensive projects which can generate data for local producers or to allow for more critical care of plants and animals during intensive data collection times,
- there are other sites that the UII can use for faculty housing including land by the KCC campus,
- ✓ the potential venture(s) with DOE to address joint housing needs from incoming teachers in Hawaii since many schools in the DOE system have extra grounds. This idea was recently floated by the BOE for consideration. After all UH only graduate a fraction of the annual needs of teachers in the system and those coming from out of state faces the same dilemma as incoming UH faculty on the high cost of housing, and
- ✓ Hawaii needs to diversify its economy and agriculture is one such sector where
 the CTAHR had played an important role e.g. new varieties of anthuriums,
 orchids, fruit trees, etc. These are part of a sustainable economy for the state.

Because of the above reasons and many more that your committee and you will hear today, I urge your passage of HCR 104.

Thank you.

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 By Miriam Dorman

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Miriam Dorman, a student in the Department of Plant and Environmental Protection Sciences at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. The Magoon Facility is within walking distance to the Manoa campus, which allows me to work on my research between and after classes. This is very important, as I don't have a car and also work to support myself through school. It would not be possible for me to have this necessary field and research experience if I had to travel to a location farther away from campus.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

Sincerely,

Miriam Dorman

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Vanessa Lum

Support for HCR 104, relating to the Magoon Research and Teaching Facility.

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Mahalo for this opportunity to testify in support of HCR 104, urging the University of Hawaii Administration to adhere to and reaffirm its 1967 Long Range Development Plan, which designates the Magoon Research and Teaching Facility on Woodland Drive as a site for the express use of the College of Tropical Agriculture & Human Resources (CHAHR). I am Vanessa Lum, currently a student at Windward Community College (WCC), on an educational path leading towards a graduate degree at CTAHR, UH Manoa Campus. Additionally, I am also currently an AmeriCorps Intern at the Aquaculture & Aquaponics Research Facility presently located on State Hospital property at WCC.

As a former Journeyman Marine Electrician at Pearl Harbor Naval Shipyard, I know firsthand how effective hands-on transference of skills and knowledge happens through being a former helper/apprentice and working on actual ships and subs under the tutelage and guidance of master craftsmen and women. Such on-the-job experiences went beyond what was presented in classroom, and textbooks. Likewise, in pursuing my goals in the field of Agriculture and specifically Aquaponics, it is vitally important to me that my learning be experiential and hands-on from professors and experts imparting of their knowledge and experience in their respective fields. The Magoon Facility enables me to have this type of learning experience and realize my goals at a much faster pace, than otherwise would be possible.

At issue here are priorities – faculty housing, that can be located anywhere versus an Agriculture Research Facility strategically located near and close to campus that serves the needs of the student, and allowing me, when transferring there, to work on research projects and experiments between classes. Locating this facility in another location, likely outside the urban core, would severely limit my ability to get the hands-on experience I seek, in preparing myself for the aquaponics field.

My student needs aside, the bigger picture of why Magoon Facility is so vitally important to the community and the State of Hawaii, is its role as a resource to families and citizens alike. Urban home gardens and aquaponics in particular, allow every person and family unit to become self-sufficient through producing their own food. Having Magoon allows citizens to see firsthand,

UH Faculty—General Support

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Kathleen McGovern-Hopkins

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Kathleen McGovern-Hopkins. I am Extension Faculty with CTAHR, at UH Manoa. However, today I am providing personal testimony.

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is a key facility for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus allows for collaborative research
 with other disciplines (e.g. molecular, business/marketing, chemistry, Hawaiian studies).
 In addition, the location allows convenient access to field studies for instruction and
 research for undergraduate and graduate students.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, these facilities allow for community involvement and extension transfer of CTAHR research through workshops and field studies.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Mahalo, Kathleen McGovern-Hopkins Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
By
Reyn Horner

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Reyn Horner. I am an interested member of the community and have worked directly with members of the CTAHR faculty and staff for my business, Hapa Farms. We rely heavily on the research produced by CTAHR for our agriculture work and our involvement with working with public schools in Hawaii to integrate sustainable agricultural technologies into their curriculum as a platform for learning.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of stewards, scholars, enterpenuers, and a strong and diversified agricultural work force for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
By

Erin Nishimura Horner

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Erin Horner. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of stewards, scholars, enterpenuers, and a strong and diversified agricultural work force for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

by Tom Shek

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Tom Shek. I am a Student Office Assistant at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for instruction
 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely,

Tom Shek

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by
Julita Gerakas

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Julita Gerakas. I am a Department Secretary at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for instruction
 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely,

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 Hector Valenzuela

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Hector Valenzuela. I am a Specialist at UH Manoa. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

The Magoon Facility is indispensible for CTAHR's curriculum for training students in ____distributed in the continue of the continu

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Koon-Hui Wang

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Koon-Hui Wang. I am an Assistant Professor at UH Manoa. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant sciences and small animal surgery.

I strongly encourage our legislators to support HCR104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Yours truly,

Koon-Hui Wang

House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Linda Masterjoseph

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Linda Masterjoseph. I am an Office Assistant at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for instruction
 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely.

Linda Masteriosenh

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Dr. Leyla Kaufman

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Dr. Leyla Kaufman. I am a Junior Researcher at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution **HCR 104** calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for instruction
 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely,

Dr. Leyla Kaufman

THE SHEET IN HEMPII DEEPS DET

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 Ву Roshan Manandhar

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Roshan Manandhar, a student in the Department of Plant and Environmental Protection Sciences at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. The Magoon Facility is within walking distance to the Manoa campus, which allows me to work on my research between and after classes. This is very important, as I don't have a car and also work to support myself through school. It would not be possible for me to have this necessary field and research experience if I had to travel to a location farther away from campus.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

Sincerely.

Roshan Manadhar

Personal Testimony Presented Before

the House Committee on Agriculture

Rep. Clift Tsuji, Chair

Rep. Mark J. Hashem, Vice Chair

and

House Committee on Economic Revitalization & Business

Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

by

Russell S. Yost

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity

to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Russell S. Yost. I am a Professor of Tropical Plant and Soil Science at UH-Mänoa. However, today i am providing personal testimony.

I support HCR 104, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Manoa as agricultural land to be protected for education and research purposes. As a professor who conducts 2 classes at the Magoon Facility, I have direct knowledge of its value to the college and to the university.

The Magoon Facility is indispensable for training students in practical, hands-on applications of agricultural production and research. My classes are in the area of Plant and Soil Science, and it is necessary that they be held at Magoon because of the facility's Greenhouses and open space for experimental studies.

Proximity and convenience are also key. Students often only have ten minutes to get from one class to the next, and therefore it would entirely impracticable to conduct a class in any location further from the Manoa campus than Magoon. The next closest location for fieldwork is the college's Waimanalo station, which, besides the fact that it focuses on many different concerns than Magoon, is so far distant that to be obliged to travel there would entirely disrupt students' academic schedules.

As an educator, I deeply believe that we must understand that the needs of the students are paramount. I therefore strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in fulfilling its important mandates of instruction, research, and outreach to the community.

House Committee on Economic Revitalization and Business Representative Angus L.K. McKelvey, Chair Representative Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by

by Charles Kinoshita

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Dear Chairs Tsuji and McKelvey and Members of the House Committees on Agriculture and Economic Revitalization and Business:

My name is Charles Kinoshita. I serve as the Associate Dean for Academic and Student Affairs in the College of Tropical Agriculture and Human Resources (CTAHR), at the University of Hawaii at Manoa, and I am presenting testimony in support of HCR 104, which calls for the designation of CTAHR's Magoon Research and Teaching Facility at the University of Hawaii at Manoa as agricultural land to be protected for education and research purposes. Please understand that this is not official testimony from the University of Hawaii; rather, I am presenting this testimony as a private citizen.

As the chief administrator for academics in CTAHR, I know that the Magoon Facility is indispensible for CTAHR's curriculum — in providing hands-on training to dozens of students in agriculture production and research. The Magoon Facility was established nearby the Manoa campus so that students would be able to receive training and conduct research without disrupting their schedules. Relocating the facility would be very disruptive to students and faculty alike.

I strongly urge you to support HCR 104 and help CTAHR train Hawaii's future generations of farmers, nurserymen, and agriculture and natural resource management scientists.

Thank you for the opportunity to present my views.

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Monday, March 19, 2012 11:40 AM AGRtestimony

To: Cc:

mark.phillipson@syngenta.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Mark Phillipson

Organization: Individual

E-mail: mark.phillipson@syngenta.com

Submitted on: 3/19/2012

Comments:

Having attended an agricultural school in California where the campus bordered with the city, the school of agriculture was never in danger of losing its teaching grounds to campus development. Having the space adjacent to the classrooms dedicated to the teaching of agricultural sciences and practices in absolutley essential to a students learning experiences. As I understand its potential alternative use would be for housing, please locate that somewhere else, preferably less precious and expensive land. Give the School of Ag the tools it needs to teach. Thanks for your consideration to keep Magoon research lands for its intended use - Teaching Agriculture. Mahalo, Mark Phillipson, General Manager, Syngenta - Hawaii, LLC

To:

House Committee on Agriculture

From:

Keali'i'olu'olu Gora

Re:

Support of HCR 104

Date:

Wednesday, March 21, 2012

9:00 a.m.

House Conference Room 312

Aloha Chairs Tsuji and McKelvey and Members of the House Committee on Agriculture and Economic Revitalization and Business,

My name is Keali'i'olu'olu Gora, and I submit this testimony in full support of HCR 104, urging the University of Hawai'i to designate the Magoon research and teaching facility site for the University of Hawai'i at Mānoa College of Tropical Agriculture and Human Resources.

The primary reason for supporting this measure is fundamental, and that is the University of Hawai'i, as a **land** (with emphasis) and sea grant institution, truly needs agriculture and aquaponics, which are critical aspects for a sustainable Hawai'i. Also these lands are needed for these said purposes, not for housing for faculty.

From a Hawaiian perspective, we cannot eat houses, but we sure can eat from the land, for that is what feeds us and makes us whole. We need to make a huge paradigm shift from importing our foods from the US continent to eating foods from Hawai'i, by Hawai'i, and for Hawai'i.

Also CTAHR is the oldest college in the UH system, and as the educational capital of the state of Hawai'i, it is even more critical for the UH and its decision makers to support agricultural production, research teaching and community extension and engagement to ensure that the future generations know how to farm and produce food from the land.

Mahalo for allowing me the opportunity to testify and to express my full support of HCR 104.

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair

Wednesday, March 21, 2012 by Shawn Steiman, PhD

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Aloha Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business,

It is difficult to express the importance of the Magoon facility. Sure, one could list facts such as the number of students who us it per semester or the number of experiments running at any given time. One could argue that UH is a land grant university and thus needs space, easily accessible to university members, to train people and gather information that will all help the agriculture industry of Hawaii. I could express that how, in my 8 years of studies in CTAHR, I used it not only for classwork and labwork but for my own dissertation research.

Of course there is a need for additional support for faculty housing and there are several options for it. The Magoon facility site should not be considered an option. It is invaluable to the professors and students of the university and, of course, the future of Hawaii agriculture.

A few weeks ago, I visited Magoon to observe and assist a volunteer, student-run mini-farm based at Magoon. That farm and the business of running it has not only taught students what it actually is to farm (I assure you, it is different than the textbooks describe!) but they've grown as people and members of society.

This student group has profoundly changed the lives of those students and, once the powers-that-be recognize the potential, I suspect it will profoundly change the way CTAHR teaches its students. In all my years as a student at UH, never was there such an opportunity to learn about business and agriculture.

This student group began at the Waimanalo research station. However, as it is composed mostly of undergraduates, the distance from campus and inability to keep a close eye on things made that location ineffectual. Since moving to Magoon, this group and the farm have flourished. I have never been more excited about the horticulture program at UH because of this group.

This is just one valuable, essential success of the Magoon facility. I strongly urge to support HCR 104.

Shawn Steiman

Coffea Consulting, Owner

House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization and Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization and Business:

I wish to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Brent Sipes and I am a professor at UH-Manoa. However, today I am providing personal testimony.

I support HCR 104 because it calls for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Manoa as agricultural land to be protected for education and research purposes. As a professor, I have used Magoon to teach undergraduate and graduate students. We conduct hands on learning activities that directly contribute to the betterment of our state. Magoon provides a venue that is convenient to students as they can walk from the main campus to the greenhouse and field areas.

The University is sadly confused as it appears so willing to sacrifice student learn opportunities for non-instructional activities, however well intentioned, that can achieved without taking away from students

As an educator and environmentalist, I deeply believe that we must understand and demonstrate through our actions the importance of sustainable food production and care for the environment. The Magoon Facility is indispensable for these goals. I therefore strongly encourage you to support HCR 104 and assist CTAHR in fulfilling its important land-grant mandates of instruction, research, and outreach to the community.

Yours truly

Brent Sipes 1949 Naio St. Honolulu, HI

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Lisa Kitagawa-Akagi

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Lisa Kitagawa-Akagi and I am the Student Services Specialist at the College of Tropical Agriculture and Human Resources (CTAHR) at UH Manoa. However, today I am providing personal testimony

I support House Resolution 104, which calls for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes.

As the Student Services Specialist at CTAHR, I have the opportunity to work with our College's students every day. Through my interactions with them, I know how important it is for students to have opportunities for hands-on research and experience in agriculture. The Magoon Research and Teaching Facility, which is a short walk or shuttle ride away from the Manoa campus, provides a convenient location for students to engage in this type of hands-on learning and research. It provides students with real-world experience, as well as opportunities for careers in agriculture and research.

I strongly encourage our legislators to support HR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Mark Stoutemyer P.O. Box 970548 Waipahu, HI 96797

HCR 104, Relating to the Magoon Research and Teaching Facility
House Agriculture Committee & House Economic Revitalization & Business Committee
March 21, 2012 at 9:00 a.m. House Conference Room 312

Position: Support designation of Magoon Research and Teaching Facility

Chairs Tsuji and McKelvey, Vice Chairs Hashem and Choy, and members of the committees

Aloha, my name is Mark Stoutemyer and I am a former employee and supporter of CTAHR. I work as a Research Scientist and Station Manager with Pioneer Hi-Bred in Kunia. I just completed the Agricultural Leadership Foundation course sponsored by CTAHR and it underscored the incredible value of having research and teaching facilities close to the Manoa campus. I support HCR 104 to designate the Magoon Research and Teaching Facility site for the University of Hawaii at Manoa College of Tropical Agriculture and Human Resources.

If this facility is lost to Hawaii's Agricultural students, it will only weaken Hawaii's ability to develop young farmers, scientists and leaders. This is opposite of what Hawaii needs to increase food production and agricultural innovation into the future. I urge you to adopt HCR 104.

Mahalo for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

Personal Testimony Presented Before
The House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
And
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21 2012
By
Craig I. Okazaki

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Craig I. Okazaki. I have been employed by the University of Hawaii Manoa for the past 27.5 years and have been the Magoon TPSS facility manager for the past 25 years. However, today I am providing my personal testimony.

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at the University of Hawaii Manoa as agricultural land to be protected for education and research purposes. My reasons for support of this bill are personal both as an advocate for Hawaii Agriculture industry and the need for hands on training for future students. For the past 27.5 years, I have expended a large portion of time and energy as both a technician and manager to make the Magoon TPSS facility a 1st class teaching and research facility for faculty, students both Grad and Undergrad, and for the Hawaii agriculture industry.

By 2005, the TPSS facility was subject to a steady decline in function as well as in appearance due to University administrative neglect. UH Facilities Maintenance, my staff and I did all the "band aid" repairs until we couldn't repair things anymore due to structural failures. Thus, in 2005, the UH allocated approximately 4.2 million dollars to renovate/repair all glass and shade houses, upgrade the head house, conference, and shower/bathroom into full ADA compliance. As the facility manager, I was asked to be part of the original Magoon Renovation planning committee which I spent a lot of my time reviewing and making comments during the early planning stage as well as being present during the majority of the renovations. Faculty and staff are now proud to bring visiting scientists, special groups, and students to visit as well as making full use of the newly renovated houses both shade and glass. We also cleaned up and installed 5 simulated sport turf plots for students training in turf and landscape maintenance. Recently, with our newly renovated facility, we have been working in coordination with the Noelani Elementary 1st grade teachers so that our students in horticultural clubs could interact with the 1st graders to help them appreciate the joy and importance of gardening.

As the Magoon TPSS facility manager, I would like to stress how the Magoon facility is indispensable for CTAHR's curriculum for training students in the practical, hands-on application of agricultural production and research. The location of the facility at 2717 Woodlawn Drive, mauka of the Noelani Elementary school is the only possible site in Manoa that allows for convenient access to greenhouses and field plots for instruction and research without disrupting our students daily academic schedules. Magoon has unique facilities, unavailable elsewhere at UHM that support research and instructions in plant breeding and propagation, plant genetic engineering, plant pest/disease identification, aquaponics/aquaculture,

House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Amy Martinson, Principal
Highlands Intermediate School

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Amy Martinson, Principal, Highlands Intermediate School.

Highlands Intermediate School is a STEM (Science, Technology, Engineering, and Math) school. Teachers and students are involved in several STEM projects through partnerships with the University of Hawaii College of Engineering, College of Tropical Agriculture and Human Resources, College of Media Design; Department of Health, Apple, Hapa Farms, iSIS Hawaii, Lawrence University, ROC (Governor's Robotics Committee), and other public and private organizations. These partners provide industry professionals to mentor students, provide consultation and sometimes, resources to implement the initiatives. Some of these projects include Robotics (First Lego League, Robofest, Underwater Robotics, Microbots, Brushbots, VEX, etc.), 3D CAD (Computer-Assisted Design), Microscopy, Aquaponics, Science Olympiad, State Science and Engineering Expo, Creative Media Academy, and others.

CTAHR is a major partner in our Aquaponics Project in our efforts to instruct students and community members to be more self-sustaining and resourceful. We rely on the research, products (fish, produce), and expertise of CTAHR staff for our public school project. Through CTAHR, we have been able to impact almost 1000 students and families annually, as well as educating the Pearl City community about environmental preservation, self-sustainability, nutrition, and other topics such as using available resources in the community to create patioponics to raise fish and produce.

We welcome you to visit our Aquaponics Garden to see the active learning that takes place. Attached you will find a photograph of our garden.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012

by Michelle Lazaro

The Magoon Research and Teaching Facility is a place that has provided me with place to grow and develop into an all around better student. I began my journey at the University of Hawaii at Manoa unsure of what there was out there and unaware of the challenges and amount of work that is required to work in the field of agriculture. I joined the "Student Organic Farm Training" Program (SOFT), in an attempt to open my eyes and broaden my knowledge of organic farm systems. Through weekly workdays at Magoon II have been able to expand my understanding and further contribute to my undergraduate experience by being provided access to a place close to campus that is dedicated to student exploration and leadership in agriculture. Magoon allowed me a place to enhance my learning by giving me a safe place to learn and experience failures while trying to learn and perfect a new skills. Magoon has supplemented my classroom education with practical hands on experience that I would be difficult to simulate in a classroom setting. Overall I have gained so many unforgettable memories and many new friends while simultaneously learning about organic agricultural concepts and methods at the Magoon Research and Teaching Facility.

As an undergraduate student at UH Manoa I live in the dorms on campus, go to classes on campus, work a student job on campus, so with the Magoon Research Station also on campus it provides me with such a convenient way to contribute to my well rounded college education. Allowing UH Manoa students access to Magoon provides a critical medium which has been instrumental in allowing me the opportunity to learn and understand the many concepts and skills through the participation in hands on activities. As I look back, it's easy to see how much I have grown due to my participation in SOFT and additional learning I have been provided through the Magoon Research Station. Without Magoon, the experiences that I have had would be very difficult and impractical to replicate for other students to experience as well. It is my hope that continued access to Magoon will be provided to the benefit of all current and future students at the University of Hawaii at Manoa.

Community Supporter—General

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Allison Vincent

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Allison Vincent. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Monday, March 19, 2012 10:22 PM

To: Cc: AGRtestimony ckychan@msn.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No

Submitted by: Catherine Chan-halbrendt

Organization: Individual E-mail: ckychan@msn.com
Submitted on: 3/19/2012

Comments:

The facility is an excellent setting and near campus to give students in agriculture an experiential learning. Save agriculture in Hawaii requires students and the future generation to be exciting by doing hands-on work and the facility provides the opportunity at a convenient location.

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

By
Juliette Budge

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Juliette Budge. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

UH Faculty—General Support

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Travis Idol

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Travis Idol. I am an associate professor of tropical forestry and agroforestry at UH Manoa. I also manage facilities at the Magoon Research and Instruction Station for the department of Natural Resources and Environmental Management. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering and small animal surgery.

In the past year alone, the greenhouse and field facilities I manage have supported 3 doctoral research projects, two master's projects, and has become the basis for CTAHR's student-led Sustainable and Organic Farm Training group. I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Monday, March 19, 2012 9:13 PM

To:

AGRtestimony

Cc:

jdiez621@gmsil.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support
Testifier will be present: No
Submitted by: Joselito Diez
Organization: Individual
E-mail: jdiez621@gmsil.com
Submitted on: 3/19/2012

Comments:

I support this bill to keep Magoon for CTAHR research

Arlene Nichole Maher Kekaha, 96752

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair

Wednesday, March 21, 2012 by Arlene Nichole Maher

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My Name is Arlene Nichole Maher, a Graduate student in the Department of Plant and Environmental Protection Science at CTAHR. Currently I am a Research Associate for Pioneer Hi-Breed in Waimea.

The Magoon Facility was crucial to my education. I was able to gain experience in my field by working in the shade houses located there. My research focused on the efficacy of fungicides in preventing Phytophtora *palmivora* infection on papaya. I could not have conducted my research without the facility and the availability of access.

The Magoon Facility is within walking distance to the Mänoa campus, which allowed me to work on my research between and after classes. This was very important, as I did not have a car. It would not have been possible for me to gain this necessary field and research experience if I had to travel to a location farther away from campus.

I was fortunate to receive a research position in a prominent seed company. I stood out against the competition with my experience in the field, which I was able to gain through the Magoon Facility.

Taking the Magoon Facility away from CTAHR will make it harder for students to get the education they need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on Oʻahu, the Magoon site is the best site for.

I urge you to adopt HCR 104.

Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Monday, March 19, 2012 8:14 PM

To:

AGRtestimony

Cc:

Weiners001@hawaii.rr.com

Subject:

Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Support Testifier will be present: No Submitted by: Sharon Weiner Organization: Individual

E-mail: Weiners001@hawaii.rr.com

Submitted on: 3/19/2012

Comments:

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Linda C. Fox, Ph.D.

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Linda C. Fox, Ph.D. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Student

Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012

by **Arnoldus Klau Bere**k

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am **Arnoldus Klau Berek**, a student in the Department of Tropical Plant and Soil Sciences at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. My research on biochar investigates the liming potential of biochar as an amendment for Hawaian acid soils. The Magoon Facility is within walking distance to the Mänoa campus, which allows me to work on my research between and after classes. This is very important, as I don't have a car and also work to support myself through school. It would not be possible for me to have this necessary field and research experience if I had to travel to a location farther away from campus.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on Oʻahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Harry C. "Skip" Bittenbender

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, Vice chairs Hashem and Choy, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Skip Bittebender. I have been a professor and extension specialist in tropical agriculture at UH Manoa since 1986. However, today I am providing personal testimony as a St. Louis Heights resident.

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes.

The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research. All my graduates students have benefitted greatly from day to day interaction at Magoon with their research and teaching projects on coffee, cacao, and 'awa.

Much biological research and laboratory instruction requires daily attention that must be fitted into students class schedules. A 10 minute walk to Magoon is feasible. Eighty minutes round trip to Waimanalo, our closest research station plus gas and vehicle destroys the potential of quality educational experience while increasing the cost to the student, faculty and taxpayer.

Faculty housing does help our university recruit new faculty. The impact of UHM faculty housing located on Dole street has been positive for Hokulani School enrollment. The same can be said for the newer faculty housing on Woodlawn Drive has helped Noelani School.

Should additional faculty housing be needed then we could help another public elementary school in the Moiliili community without destroying an important part of the University. Our administration should seek partnerships with the major land owners in Moiliili to develop faculty housing.

hashem3 - Casey

From:

Loriena Ann Yancura [loriena@hawaii.edu]

Sent:

Monday, March 19, 2012 5:29 PM

To: Subject: AGRITESTIMONY
Support for HCR 104

Follow Up Flag: Flag Status:

Follow up Flagged

Personal Testimony Presented Before

the House Committee on Agriculture

Representative Clift Tsuji, Chair

Representative Mark J. Hashem, Vice Chair

Monday, March 19, 2012

by

Loriena Yancura

1714A Maoi Place, Honolulu, HI 96816

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairman Tsuji and members of the House Committee on Agriculture: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is XXX. I am a XXXXX at UH-Mänoa. However, today I am providing personal testimony.

I support HCR 104, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Mänoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, handson applications of agricultural production and research.
- Its location immediately adjacent to the Mänoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouses, field plots, and small animal facility for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH-Mänoa, that support research and instruction in plant genetic engineering and small animal surgery.

Representative Clift Tsuji, Chair Representative Mark J. Hashem, Vice Chair House Committee on Agriculture

Richard Manshardt, Personal Testimony 1477 Alencastre Street, Honolulu, HI

Wednesday, March 21, 2012

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Thank you, Chairman Tsuji and Vice Chairman Hashem, for this opportunity to provide testimony in support of HR 104.

My name is Richard Manshardt. I am a Professor at UH Manoa with 30 years of teaching and research experience in the College of Tropical Agriculture and Human Resources. However, today I am providing personal testimony and not officially representing the University.

I think we all acknowledge the importance of housing for attracting and retaining new faculty, but my opinion is that that issue could be better resolved by other approaches than building more housing at the Magoon site. Alternatives include proper enforcement of rules for tenure at existing faculty housing and exploration of a mortgage subsidy program for newly recruited faculty.

I support House Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in small animal surgery and plant genetic engineering.

I want to elaborate on the latter special facility. Genetically engineered plants undergo a period of testing during which their benefits and potential risks are evaluated, and a USDA-approved bio-containment facility is required to isolate them during this interval. The only such bio-containment greenhouse for Manoa is at Magoon. To illustrate its importance for the state, I'd like to point out that this facility was used by a group of students and researchers in the early 1990s to produce the first papaya seeds with genetically engineered resistance to a very serious virus disease that was threatening the

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Kauahi Perez

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Kauahi Perez, a student in the Department of Tropical Plant and Soil Sciences at CTAHR.

The Magoon site, on which the UH administration is currently considering to develop faculty housing, plays a pivotal role in student learning. This facility is used to hold laboratories through which students in Tropical Plant and Soil Sciences (TPSS) gain valuable hands-on experiences in the field, solidify an understanding of concepts discussed in lectures, and thus gain a deeper appreciation of horticultural and agricultural practices. Such practices include vegetable and flower crop production, plant breeding, plant propagation, weed management, sustainable crop production, plant identification, and other horticultural and agricultural practices. In short, this instructional facility allows students to connect theory to application by serving as an arena for hands-on learning.

In addition to hands-on experience, students also gain experience in conducting research by installing experiments, taking and analyzing data, and presenting their findings. As an undergraduate taking classes in TPSS, I was fortunate enough to have gotten exposure to conducting different kinds of experiments, including plant propagation methods, plant growth regulation, photoperiodism, variety trials, sustainable crop production, and methods of weed management. It is through research experiences such as these that students, like myself, gain a better understanding about how best to manage and produce different kinds of crops.

Magoon is also located in close proximity to the UH Manoa campus, which affords students the ease of access to the facility while alleviating the need for transportation and costs thereof. More importantly, this is the only site that students have available for them to learn.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on Oʻahu, the Magoon

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Miles Hakoda

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Miles Hakoda. I am the director of CTAHR's Office of Communication Services at UH Manoa. However, today I am providing personal testimony

I support House Concurrent Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant breeding and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair

Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by

by Teresita D. Amore

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Teresita D. Amore. I am an Assistant Researcher with the Department of Tropical Plant an Soil Sciences of the College of Tropical Agriculture and Human Resources at UH Manoa. However, today I am providing personal testimony.

I support House Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in crop and animal sciences.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and experimental areas for
 instruction and research without disrupting students' daily academic schedules.

I received my postgraduate degrees from CTAHR in 1986 and 1991. I was born, raised and educated in the Philippines. I was working at the University of the Philippines on orchids and ornamentals when I realized the need to pursue graduate studies in floriculture, if I were to remain in the academe. I decided to attend the University of Hawaii because of CTAHR's stellar reputation for its tropical flower breeding program housed at the Magoon Facility. The walking distance between the Manoa Campus and the Magoon facility was a tremendous benefit during my years as a graduate student, and allowed me greater flexibility in my academic schedules.

For the past 21 years, I have been employed by CTAHR's flower breeding program. At CTAHR, in cooperation with our industry associations, ie, the orchid and anthurium growers associations, we develop new varieties of dendrobium orchid and anthurium for the Hawaii flower and nursery industry. To date, CTAHR has developed 48 anthurium varieties and 44 dendrobium varieties, a number of which have become standards in the flower industry. New varieties allow our dendrobium orchid industry, which contributed about \$5.3M in the Hawaii economy in 2010, and our anthurium industry, valued at about \$3.4M in 2010, to remain viable components of diversified agriculture.

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by

Sylvia Yuen, Interim Dean and Director College of Tropical Agriculture and Human Resources

Support for HCR 104, Urging the University of Hawai'i to designate the Magoon Research and Teaching Facility site for the University of Hawai'i at Mānoa College of Tropical Agriculture and Human Resources

Chairmen Tsuji and McKelvey, and members of the House Committees on Agriculture and Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which urges the University of Hawai'i to designate the Magoon Research and Teaching Facility site for the UH-Mānoa College of Tropical Agriculture and Human Resources (CTAHR). My name is Sylvia Yuen, Interim Dean and Director of the College of Tropical Agriculture and Human Resources (CTAHR), and today, I am providing personal testimony.

Rather than present the compelling case in support of HCR 104, I will yield my time to others present who can speak more eloquently on the subject. You will hear from students, the future of Hawai'i's food and agriculture system, who depend on the Magoon Facility for their education. You will hear from faculty whose research and other scholarly work would be seriously compromised without the Magoon Facility. And you will hear from the agricultural community who are dependent on the research and development work conducted at the Magoon Facility that supports their businesses, which contribute millions of dollars to the State's economy. In addition to the voices here today, there are hundreds of others not present who have indicated their support through votes on resolutions, written testimonies, and signatures on petitions.

The fundamental issue is this: Should the Magoon Facility be used for core programs or for faculty housing? We believe CTAHR and the University's mission of education, research, and service should take precedence over other activities and uses, including faculty housing. Please understand, many of us are in favor of faculty housing, but not on the Magoon site. As the testimonies make clear, the Magoon Facility is the only suitable site for CTAHR's programs. However, there are other sites on O'ahu and other strategies (e.g., rent, loan, and mortgage assistance) that can be used to secure housing for faculty. Moreover, the Executive Policy on University Housing Assistance Program indicates that suitable housing does not mean immediate proximity to the campus, whereas the work conducted at Magoon does require this.

We urge you to join us in supporting core University programs at the Magoon Facility by approving HCR 104 which designates the Magoon site for the College of Tropical Agriculture and Human Resources. Thank you for the opportunity to testify on this important measure.

hashem3 - Casey

From:

mailinglist@capitol.hawaii.gov

Sent:

Tuesday, March 20, 2012 12:38 AM

To:

AGRtestimony

Cc: Subject: dmr_castillo@yahoo.com Testimony for HCR104 on 3/21/2012 9:00:00 AM

Testimony for AGR 3/21/2012 9:00:00 AM HCR104

Conference room: 312

Testifier position: Oppose Testifier will be present: No Submitted by: Edmar Castillo Organization: Individual

E-mail: dmr_castillo@yahoo.com

Submitted on: 3/20/2012

Comments:

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Miki K. Tomita, Ph.D.

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

To Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business,

Thank you for this opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Miki K. Tomita. As a graduate of CTAHR and current Dean of Curriculum & Instruction and advisor of the ULS Project Pono environmental stewardship program at the University Laboratory School PCS, I am providing testimony as an interested member of the community.

Magoon Facility is the site of research that directly impacts and supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation endeavors. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon. Magoon is also the site of important instruction for numerous classes for undergraduates and grad students as well as school-age children, students who will be the next generation of Agriculture-related workers, researchers, and innovators for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience, and should be supported and developed to build the capacity of our islands to support its people and contribute to the global resource and knowledge base.

On behalf of the 30+ current students of ULS Project Pono who have learned at the side of the expert CTAHR faculty, and the many more I hope to introduce into that partnership for years to come, I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the House Committee on Agriculture
Representative Clift Tsuji, Chair
Representative Mark J. Hashem, Vice Chair
Tuesday, March 20, 2012
by
Sergio Santiago-Meléndez
PO BOX 235351
Honolulu HI 96823

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairman Tsuji and members of the House Committee on Agriculture: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Sergio Santiago Meléndez and today I am providing personal testimony as a graduate student and as a hired research assistant at UH-Manoa.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. My research on the relation between plants and soil moisture content investigates plant uptake of pharmaceuticals and is currently taking place at the Magoon facilities. In addition:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Mänoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouses, field plots, and small animal facility for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH-Mänoa, that support research and instruction in plant genetic engineering and small animal surgery.
- Magoon is a site of community outreach and supports elementary students' STEM curriculum.
- More viable solutions for housing are available, such as increasing faculty pay and/or contracting for full 11-month terms, giving the faculty more acquisitive power to live in a place of their choice.

I have experienced first-hand the downgrading and extirpation of select agricultural lands from other higher education institutions in Puerto Rico, where short term solutions to complex problems have led to the permanent disruption of highly beneficial agricultural areas, hampering potential productiveness and benefits of such lands.

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Lynn Fujioka

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business:

Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Lynn Fujioka. I am the President of isisHawaii, a non-profit organization that connects local academia and industry professionals with public school educators to develop enrichment activities in K-12 science and technology.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of an important link in strengthening Hawaii's STEM (i.e., science, technology, engineering, mathematics) education pipeline. CTAHR's extension programs offer research-backed outreach opportunities to expose K-12 educators and students to hands-on project-based math and science application in a relevant context.

In 2011, the University of Hawaii hosted the Innovation Conference in concert with the National Science Foundation Board (1/13-14) and showcased 4 essential emerging growth industries for Hawaii -- renewable energy, cybersecurity, biomedical/life sciences and <u>sustainable agriculture</u>. It was presented as a State imperative that the development of an educated public and qualified workforce for this industry be supported.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

TESTIMONY OF MATTHEW LOKE, Ph.D.

BEFORE THE HOUSE COMMITTEE ON AGRICULTURE WEDNESDAY, MARCH 21, 2012 9:00 A.M. CONFERENCE ROOM 312

HOUSE CONCURRENT RESOLUTION 104 URGING THE UNIVERSITY OF HAWAII TO DESIGNATE THE MAGOON RESEARCH AND TEACHING FACILITY SITE FOR THE UNIVERSITY OF HAWAII AT MANOA COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES

Chairperson Tsuji and Members of the Committee:

Thank you for the opportunity to testify in <u>strong support</u> of HCR 104, which calls for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes.

I believe the Magoon Facility should be protected for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research;
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for
 instruction and research without disrupting students' daily academic schedules;
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in bio-engineering and small animal surgery; and
- The Hawaii Department of Agriculture (HDOA) is actively pursuing phyto-sanitation protocols with countries such as China and Korea with the goal of opening new markets for Hawaii floriculture and other agriculture products in the near future. Hawaii, known for its high cost of production, relies exclusively on new cultivars and superior products to compete in global markets. The Magoon facility helps to produce these new cultivars and varieties with superior qualities. Without the facility, all the HDOA efforts are rendered futile.

I ask for your support in advancing HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, agricultural scientists and in producing new cultivars, varieties, and techniques of superior qualities to help our agricultural producers compete effectively in global markets.

Respectfully Submitted,

2029 Nuuanu Ave #1510 Honolulu, Hawaii 96817 March 19, 2012

Rep. Clift Tsuji, Chair and Rep. Mark J. Hashem, Vice Chair House Committee on Agriculture Rep. Angus L.K. McKelvey, Chair and Rep. Isaac W. Choy, Vice Chair House Committee on Economic Revitalization and Business 415 S. Beretania St. Honolulu, Hawaii 96813

Dear Chairs Tsuji and McKelvey, Vice Chairs Hashem and Choy, and Members of the Committee:

I am sending this testimony to express my strong support for HCR 104, which would urge the University of Hawaii (UH) to keep its Magoon facility as CTAHR's primary site for agricultural and aquacultural research, teaching, and outreach. Expanded faculty housing may be necessary, but it should not be constructed at the expense of the University's research and teaching facilities.

I graduated with a master's degree in oceanography from UH in 1978, and I have earned my living in aquaculture production and consulting ever since. Recently I have become involved in aquaponics, a relatively new and efficient form of agriculture that combines the production of fish and plants in a recirculating system. I have attended workshops on topics in aquaculture and aquaponics led by CTAHR faculty, and I am always interested in hearing the results of their research. I also rely on CTAHR extension for information and advice on how to deal with the various pests and parasites that can afflict the fish and plants I am trying to raise. If the Magoon facility remains in place, it will be the site of an expanded freshwater aquaculture and aquaponics research and extension center which will directly benefit my industry.

Modern agriculture is an increasingly technical field that must incorporate the latest developments in science and technology. The Magoon facility plays a major role in educating new generations of students who will become Hawaii's future farmers, managers, and teachers. I hope, therefore, that you will act to help preserve this important institution.

Thank you for the opportunity to state my opinion on this important matter.

Sincerely,

Frederick M. Mencher

rederick M. Mendler

UH Faculty—General Support

Personal Testimony Presented Before:
House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Andrew Hashimoto

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Andrew Hashimoto. I am a Professor of Molecular Biosciences and Bioengineering at UH Manoa, and served as dean of the College of Tropical Agriculture and Human Resources (CTAHR) from 2000 to 2010. However, today I am providing personal testimony

I support House Continuing Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules. This proximity to campus saves students time, money and energy because they don't have to commute to our other experiment stations like those at Waimanalo and Pearl City.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage your support of HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Mahalo for your serious consideration of House Continuing Resolution 104.

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Jeana Cadby

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Jeana Cadby, a student in the Department of Tropical Plant and Soil Sciences at CTAHR.

Having worked with SOFT for the past few years, I realize how lucky I have been to be involved in such a program. As an agriculture student, it is vital that we get our hands in the dirt and learn the basics of farming to compliment our official schooling as plant scientists. SOFT not only provides that possibility, but also fosters an education about our food resources and learning through doing and taking action.

Magoon is a site that I most associate with SOFT because it is so natural for SOFT to be there. As we work towards integrating the SOFT program into the university curriculum, we have already started using the site as a teaching tool and a student resource. University students in the classroom and out have a living system to study and research, first graders are inspired to explore science, and Soft volunteers can use work hours towards tangible goals such as joining the Peace Corps and Americorps.

The proximity to campus, the accessibility of resources and educators, and the practicality of the program relies heavily on the location. The program is important to me because it allows me to develop my goals of working on improving food systems and educating the public of the issues surrounding food soverignty and local food production. I know that Soft is capable of much more, with increased support and presence. Other students too can explore their goals, developing an all inclusive college of agriculture.

This site has also prepared me very well as a candidate for a graduate degree. As a future well qualified graduate student, it is to the benefit of UH Manoa, as a prestigious option, to maintain this site.

Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Maria Aihara-Sasaki

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Maria Aihara-Sasaki. I am a Research Associate at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely.

Maria Aihara-Sasaki

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Glenn Taniguchi

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Glenn Taniguchi. I am a Research Associate at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, bands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for instruction
 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely.

Elem Lawonka

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 bγ Michael Melzer

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Michael Melzer. I am a Junior Researcher at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Michael Melzer

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Karen Pitz

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Karen Pitz. I am a Junior Researcher at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, bands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely,

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
By
Jane Tavares

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Jane Tavares, a student in the Department of Plant and Environmental Protection Sciences at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. The Magoon Facility is within walking distance to the Manoa campus, which allows me to work on my research between and after classes. This is very important, as I don't have a car and also work to support myself through school. It would not be possible for me to have this necessary field and research experience if I had to travel to a location farther away from campus.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

Sincerely,

Jane Taylares

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Michael Kawate

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Michael Kawate. I am a Specialist at UH Manoa. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for instruction
 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant sciences and small animal surgery.

I strongly encourage our legislators to support HCR104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Yours truly,

Michael Kawate

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Personal Testimony Presented Before the House Committee on Agriculture Rep. Clift Tsuji, Chair Rep. Mark J. Hashem, Vice Chair and

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by John Hu

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is John Hu. I am a Professor at UH Manoa. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for instruction
 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant sciences and small animal surgery.

I strongly encourage our legislators to support HCR104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Yours truly,

John Hu

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Shikha Srivastava

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Shikha Srivastava, a student in the Department of Plant and Environmental Protection Sciences at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. The Magoon Facility is within walking distance to the Manoa campus, which allows me to work on my research between and after classes. This is very important, as I don't have a car and also work to support myself through school. It would not be possible for me to have this necessary field and research experience if I had to travel to a location farther away from campus.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

Sincerely,

Shikha Srivastaya

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by William Haines

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is William Haines. I am a Junior Researcher at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Cinconal.

William Haines

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Kishore Dey

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Kishore Dey, a student in the Department of Plant and Environmental Protection Sciences at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. The Magoon Facility is within walking distance to the Manoa campus, which allows me to work on my research between and after classes. This is very important, as I don't have a car and also work to support myself through school. It would not be possible for me to have this necessary field and research experience if I had to travel to a location farther away from campus.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

Sincerely,

Kishore Dev

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Paul Krushenlycky

My name is Paul Krushenlycky. I am an Assistant Professor at UH Manoa. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant sciences and small animal surgery.

I strongly encourage our legislators to support HCR104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Yours truly,

Paul Krushenlycký

KRL-2

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Cori Wakamura

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Cori Wakamura. I am an Institutional Support at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
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I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely,

Cori Wakamura

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Helen Spafford

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Helen Spafford. I am an Assistant Professor at UH Manoa. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
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I strongly encourage our legislators to support HCR104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Yours truly

Helen Spafford

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Dick Tsuda

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Dick Tsuda. I am a Research Support at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

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I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely, Dich Truda

DickTsuda

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus I. K. McKelvey, Chair

Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Dr. Luc Leblanc

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Dr. Luc Leblanc. I am a Junior Researcher at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
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 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely,

Dr. Luc Leblanc

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by

Angelo Loffredo

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Angelo Loffredo. I am a Junior Researcher at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

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 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely,

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Angelo Loffredo

House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Alberto Bressan

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Alberto Bressan. I am an Assistant Professor at UH Manoa. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
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 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant sciences and small animal surgery.

I strongly encourage our legislators to support HCR104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Yours truly

Alberto Bressan

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Donna Meyer

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is Donna Meyer. I am a Research Support at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
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- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely,

Donna Meyer

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by

Dr. Wayne Borth

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

ausisfunt Plant Pathologist

My name is Dr. Wayne Borth. I am a Junior Researcher at the Department of Plant and Environmental Protection Sciences, CTAHR, at UH Manoa. However, today I am providing personal testimony

I support House Resolution HCR 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensible for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School
 is the only site that allows convenient access to greenhouse and field plots for instruction
 and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Sincerely.

Dr. Wayne Borth

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House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 By Yawadee Srimake

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Yawadee Srimake, a student in the Department of Tropical Plant and Soil Sciences.

I am a Ph.D student and will graduate on the end of this spring semester. Magoon has played an irreplaceable roll in my research and professional growth. Being a teaching assistant for several years- I've learned that hands-on practice through greenhouse experiments are crucial for students not only in our department, but also all others in agricultural fields. Magoon has been serving students in a convenient, on campus location for decades in the ideal sunny and moist environment of Manoa Valley.

As a non-resident student, we almost have to pay a fortune to come to school. We only ask for a good education, so when we finish, we can be out there and survive. But what I have learned from the last meeting with UH administrators (11/23/2011) is that, student needs appeared to be not as important as a close-to-campus resident, because some tenants can stay in the current faculty housing as long as they want. It takes me 50 minutes by bus to come to school, and I think distance should never be used as an excuse for not being efficient either for study or work. But it does not seem right if we have to take an hour commute to and from the greenhouse facility during the day, in the event that Magoon is replaced.

I understand that the convenient housing is needed, especially one that is operated properly. However, there are many better options than tearing down a well-functioning- not to mention newly renovated facility, without any realistic plan for when and where students can continue theirs basic studies.

I believe that university is the place where education of student is the first priority. Adoption of HCR 104 will keep these research opportunities, and value education for the students, present and in the future.

House Committee on Economic Revitalization & Business Rep. Angus L.K. McKelvey, Chair Rep. Isaac W. Choy, Vice Chair Wednesday, March 21, 2012 by Gabriel Sachter-Smith

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

I am Gabriel Sachter-Smith, a student in the Department of Tropical Plant and Soil Sciences at CTAHR. I have been with the SOFT (Student Organic Farm Training) program since it's foundation almost four years ago. I have seen it grow and change and have taken on personal responsibility to see it reach the next level of development. We started with one acre at the Waimanalo Experiment Station, and actively maintained crops there for about three years. After a visit to student farms on the West coast in 2009, we saw the potential of what a student farm program can become and what it takes to make it happen. The two most critical components needed for a successful student farm program are centralized on-campus land, and a full time staff manager.

We already had a small vegetable plot at Magoon, but realized that if we wanted the program to grow and reach our vision of it, we would need to cut back our efforts at Waimanalo and expand our on-campus presence and capacity. Waimanalo is great for farming, but it is nearly impossible to get enough students out there at any given time to get much work done. Most of our students live on or near campus and our crops are sold on campus. We took the time spent at Waimanalo (every Saturday from 9AM to 5PM) at Waimanalo, and used it to develop our land at Magoon and expand our on-campus presence. With on-campus land, more students are able to get involved, and we are better able to care for our crops and other projects. Since re-vamping our presence at Magoon, we have seen a dramatic rise in student involvement in the program, and a much greater awareness of our program in the campus community.

There are many opportunities in the campus community which can support a student farm program, some of these include: students getting credit to learn by experience in the farm program, composting campus food wastes to use as fertilizer for crop production, utilizing the

Community Supporter—General

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
Eva Pualeilani Santos

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Eva Pualeilani Santos. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.